

**Sampling Codes** 

Diagnostic
Preliminary
Clearance/Final
Personnel Work Area
Environmental Work Area
Personnel Clean Area
Environmental Clean Area

A Aggressive
N Normal
E Excursion
T TWA
R Representative

Project:	Mount	<u>Ē5</u>	Date:	1.4.2	مارا
,					

Project Number: 0/0-954/ Rotometer No.: HVR/89 LVR

Laboratory: <u>AATU</u> Analysis: <u>TEM</u> Phila. Requirements: ☐ YES ☐ NO

	SAMPLES			TIME		COSTOR	ALIBRAT	ION	ANALYTICAL	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
BUB -0104-01	HIGH WOLW TENT NEXT TO LOOK 211.	3-A	1023,113	123 PM	180	10.62	10.02	1804	69 <b>4462</b> 2	
NB -0104-02	HILL WE TELOT NEXT	3-1	1023An	123A4	180	10.62	10.62	184	6944623	
BUS -0104-03	HILALDOLLE TENT DEST	3-1	1028ds	123/3	180	10.00	10.00	1864	6944624	•
AHS -0104-07	AlbA USI W TEWY NEXT	34	10244}	124Ph	180	10.00	10.02	184	6944625	
BHS -0104-05	ANDA WOU WY CUT NEXT TO LOOK 211.	3×1	1024AS	124124	180	10.62	10.00	1804	6944626	
HB -0104 -06	FIELD KLAUF	/	/	1	. /	1	1	/	6944627	
1648 -2104 -07	FIELD LINOK	/	1	1	/	/		1	6944628	
BLA -0104-08	SCALES SLAUK	/	1	/	1	/_	/	/	6944629	

		· ·		gardening			6944629	
Turnaro	und Time	(TAT): [	] Immed	iate 🗷 6	Hour 🔲	24 Hour E	48 Hour 🗌 Other	
6 Hour TA						,	atl	
Samples C	ollected By	: Some	Sary	<u> </u>	JAN -	<del>-4-</del> 20 <b>20</b>	Date: 1-4-20	
Transmitte	d to Lab By	: <u>Bru 1</u>	Seely		ONIT	- 2020	Date: ノ・9・20	· · · · · · · · · · · · · · · · · · ·
Received in	n Lab By:			- д			Date:	
Samples A	nalyzed By	: <u>55 il</u>	5/20	IAI	L - By	- DC	Date:	
					لطبي		7	



Sampling Codes

A Aggressive
N Normal
E Excursion
T TWA

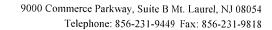
Representative

1 Diagnostic
2 Preliminary
3 Clearance/Final
4 Personnel Work Area
5 Environmental Work Area
6 Personnel Clean Area
7 Environmental Clean Area

Project: Maule E.	5	Date:
Project Number: 010-4	541	Rotometer No.: HVR /89 LVR
Laboratory: ZXV	Analysis: <i>TEM</i>	Phila. Requirements: ☑ YES ☐ NO
		GEO MEAN

		AIR SAIV	IPLE LO	G & CH	AIN OF	CUSTOD	γ			
	SAMPLES		TIME			С	ALIBRAT	TION	ANALYTIC	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ANS -0104-09	HIGHLOU IN HALL BY	3.0	10×25/AB	125 As	180	1000	10.00	1804	6944630	
LUS -0104-1V	HEH USE IN HALL PSY LEDIS 201.	3-2	KZEAK	125 M	180	10.60	מסוטן	1804	6944631	
Bed -0104-11	AKH WOU W HAW BY	3-N	prosess.	1251	180	משימו	10.00	1804	6944632	
NUS -0104-12	1164 LOC W HILL BY	3.10	1016A	12614	180	10.00	10.00	1804	694463	
BALK -0104-13	SIGN DID.	3.2	1026041	12545	180	נדסיטן	10.00	1804	6944634	
/-/-/		/	/	1	/	/	/	/	694463 <u>~</u>	
bel -014-14	AKII VOL IN BOOK	3-2	1154.41	254 Ph	180	por	poor	1804	69 <b>44</b> 63 <b>5</b>	
dHB -0104-15	AJEH WOL IN KOOM	3-W	115441	254A1	180	10.02	poor	1804	6944636	

3-W	115441	254/3	180	10.50	10,00	1804	6944636	
Turnaro	und Time	(TAT): [	] Immed	iate 🗌 6	Hour 🔲	24 Hour 🔲	48 Hour 🗌 Other _	
6 Hour TA	T Contact: _					: 6	at:	
Samples C	Collected By	: Aren	Lacy	~			Date: 1.4.20	
	d to Lab By		een .				Date: 1.4.20	
	n Lab By:					[	Date:	
Samples A	nalyzed By	' <u>'</u>					Date:	
•	• •							•





# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No .:	607168			
	228 Moore Stre	et		Project:	McClure			
	Philadelphia, P	A 19148		Project No.:	010-4541			
Client No.:	SYN177			Philly Regs:	Y			
				Turn-Around Time	: 6 Hour Rush			
Client Contac	cts:		Laborator	y Contacts:				
Contacts:			Contacts:	Frank E. Ehrenfeld II	I			
Phone:			Phone:	(856) 231-9449				
Fax:	<sup>2</sup> ax:			(856) 231-9818				
Cell/Pager:	Cell/Pager:		Cell/Pager:	(609) 929-4211				
E-Mail:			E-Mail: <u>frankehrenfeld@iatl.com</u>					
Chain of Cus	tody:							
Samples Taken	in Field:	Client	Date:	1/4/2020	Time:			
Samples Rec'd a	nt Laboratory:	D. Gutierrez	Date:	1/4/2020	Time:			
Samples Analyz	ed:	J. Jeon	Date:	1/5/2020	Time:			
Preliminary Res	ults Faxed:		Date:	W	Time:			
Preliminary Res	ults E-Mail:		Date:	***************************************	Time:			
			nmary Data					

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0104-01	6944622	1804	None Detected	< 19.2	< 0.0041
BRB-0104-02	6944623	1804	None Detected	< 19.2	< 0.0041
BRB-0104-03	6944624	1804	None Detected	< 19.2	< 0.0041
BRB-0104-04	6944625	1804	None Detected	< 19.2	< 0.0041
BRB-0104-05	6944626	1804	None Detected	< 19.2	< 0.0041
BRB-0104-09	6944630	1804	None Detected	< 19.2	< 0.0041
BRB-0104-10	6944631	1804	None Detected	< 19.2	< 0.0041
BRB-0104-11	6944632	1804	None Detected	< 19.2	< 0.0041
BRB-0104-12	6944633	1804	None Detected	< 19.2	< 0.0041
BRB-0104-13	6944634	1804	None Detected	< 19.2	< 0.0041
BRB-0104-14	6944635	1804	None Detected	< 19.2	< 0.0041
BRB-0104-15	6944636	1804	None Detected	< 19.2	< 0.0041

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1834
Phila. Regulations Clearance Criteria is 0.00554 s/o	ce based on 5 samples	Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM.AHERA 001



# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No.:	607170				
	228 Moore Street			Project:	McClure ES				
	Philadelphia, PA	19148		Project No.:	010-4541				
Client No.:	SYN177			Philly Regs:	Y				
				Turn-Around Time:	6 Hour Rush				
Client Contact	ts:		Laboratory Contacts:						
Contacts:			Contacts:	Frank E. Ehrenfeld II					
Phone:			Phone:	(856) 231-9449					
Fax:			Fax:	(856) 231-9818					
Cell/Pager:	1.4		Cell/Pager:	(609) 929-4211					
E-Mail: X			E-Mail:	frankehrenfeld@iatl.c	<u>om</u>				
Chain of Custo	ody:								
Samples Taken ir	Field:		Date:		Time:				
Samples Rec'd at	Laboratory:	SG	Date:	1/4/2020	Time:				
Samples Analyze	d:	B. Reich	Date:	1/5/2020	Time:				
Preliminary Resu	lts Faxed:		Date:		Time:				
Preliminary Resu	lts E-Mail:		Date:		Time:				
	***************************************								

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	C	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
ATS-1-4-1	6944647	1800	None Detected	< 19.2	< 0.0041
2	6944648	1800	None Detected	< 19.2	< 0.0041
3	6944649	1800	None Detected	< 19.2	< 0.0041
4	6944650	1800	None Detected	< 19.2	< 0.0041
5	6944651	1800	None Detected	< 19.2	< 0.0041
	***************************************				
	-				

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1830
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	II
			·	

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM.AHERA.001

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Ε	N	٧	ī	R	0	N	M	E	N	T	A	L		c	0	N	5	U	L	T	1	N	G	

Project: _ Mc	dure	ELe	mentar	/bate: _	1-4-	. 20
Project Number: _	010-	4541	2 9 1	Rotome	ter No.: H	VRLVR
Laboratory: T	ATI	Analysis:	TEM	Dhila D	oquiromo	nte: VES INO

3 AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME	,	С	ALIBRAT	TION	ANALYTICAL		
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
A75-01-01	2nd Floor main Hall across From 204		3'38 PW	6:38 PM	180	10	16	1800	894464		
75-01-02	Hall across From 203	3A	3:38 PM	6:38 PM	180	10	10	(800	<b>694464</b> 8		
ATS- 01 03	Hall IN Front	3 A	3138 PM	6:38 PM	180	10	10	1800	6944649		
475-01-04	Main Hall IN Front of 267	3A	3:38 PM	6:38	180	16	10	1800	6944650	B	
ATS 04 05	main Hall IN Front of decon.	3A	3:38 PM	6,38	180	10	10	1800	6944651	**************************************	
ATS 04-06	Outside 200 Floor main Hall Buthroom sw#3	3 A	3:44 PM	6744	1800	10	10	1800	6944652	3	
A75 01 07	man Hall near		31.44 PM	6:44	180	10	10	1800	6944653	*	
ATS-01-08	main Hall nea 203	3A	3:44 PM	6:44	180 180	10	E/4	1800)	6944654		
Samp	ling Codes	Turnaro	und Time	(TAT)	Immed	iate X 6	Hour	24 Hour □	48 Hour 🔲 Other _		

g Codes

1	. !	וכ	ag	nc	osi	IC	

7	Environmental	Clean	Area

A	Aggressive
	N11

Normal E Excursion T TWA Excursion

Representative

rumaround rime (	IAI). W IIIIIIeula	ite M o Hour 124 Ho	ui 40 noui	Other
6 Hour TAT Contact:	15-1	1,0000	at:	
Samples Collected By:_	aletton	- Let all	Date:	1-4-20
Transmitted to Lab By:	auth	the cell	pate:	1-4-20
Received in Lab By:		Su do	Date:	
Samples Analyzed By:	1671-1	DI TOWN AG	Date: //	5/20
	13.4.		1	

<sup>2</sup> Preliminary

<sup>3</sup> Clearance/Final

<sup>4</sup> Personnel Work Area

<sup>5</sup> Environmental Work Area

<sup>6</sup> Personnel Clean Area

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Ε	N	٧	1	R	0	14	M	E	N	T	A	1		c	0	N	5	U	L	T	1	N	G	

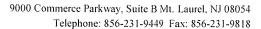
Project:	Acclure	ELe	menta	Date:	1-4-20
Project Numb	oer: <u> </u>	-4541		Rotom	eter No.: HVRLVR
Laboratory:	IAT/	Analysis:	TEW	Phila. F	Requirements: TYES NO

228 Moore Street • Philadelphia, Pennsylvania 19148
Phone 215-755-2305 • Fax 215-755-2405
www.gosynertech.com

DO NO + CLUCK Y 20 6 3 AIR SAMPLE LOG & CHAIN OF CUSTODY

DO NO +	SAMPLES			TIME			ALIBRAT	ΓΙΟΝ	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
AT 5- 04 09	outside 2nd FlR mam Hall new 202	3A	3:44 PM	6:44 PM	180	16	10	1800	6944655	
ATS-01-10	Outside 2nd Fl main Hall Near Bathroom	3A	3:44 PW	6:44 PW	180	10	10	1800	6944656	
ATS 04 11	QC BIANK Freld	- special							6944657	
ATS 01 12	QC Blank Field	-							6944658	
ATS- 01-13	CC Blank Freto Sealed			·					6944659	
				·						
						:				

	 		1		•	l		1
Samp Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Ar Personnel Clean Area Environmental Clean A	 Turnaround 6 Hour TAT Co Samples Collect Transmitted to Received in La Samples Analy	ntact: B Sected By: Cab By: Ca	Immed V nav	* ' W	Hour []:		48 Hour  Othe  at:  Date: / - /  Date: / - C  Date: Date:  Date:	r





### PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Chent:	Synertech Inc.		•	Batch No.:	607171
	228 Moore Stree	t		Project:	McClure ES
	Philadelphia, PA	19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time:	6 Hour Rush
Client Contac	ts:		Laboratory	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld II	
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:	9	***************************************	E-Mail:	frankehrenfeld@iatl.c	<u>om</u>
Chain of Cust	ody:				
Samples Taken in	n Field:		Date:		Time:
Samples Rec'd at	Laboratory:	SG	Date:	1/4/2020	Time:
Samples Analyze	ed:	B. Reich	Date:	1/5/2020	Time:
Preliminary Resu	<del></del>		Date:		Time:
Preliminary Resu	ılts E-Mail:		Date:		Time:
		Su	mmary Data		

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	Comments	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
0104-16	6944660	1800	None Detected	< 19.2	< 0.0041
017	6944661	1800	None Detected	< 19.2	< 0.0041
18	6944662	1800	None Detected	< 19.2	< 0.0041
19	6944663	1800	None Detected	< 19.2	< 0.0041
20	6944664	1800	None Detected	< 19.2	< 0.0041
			·		
<u> </u>					

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm²) =	19.2	Grid Box #:	1830
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	П

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM AHERA 001

Revision Date: 10/06/18



Project: MUNE E.	Date:/. 4-2	>	
Project Number: 010 - 43	541	Rotometer No.: I	HVRLVR
Laboratory: ZIII	Analysis: TEM	Phila Requirem	ente: VES INO

SAMPLES TIME CALIBRATION ANALYTICAL										
No.		1	TIME		CALIBRATION			ANALYTICAL		
NO.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ded 0104-16	MICH WIL IN TENT OUTSIX	3×	113 Ps	4'.43 1 m	180	10.00	1800	1800	6944660	
RUS -0104-17	SOE LOOK 208 IN HAUL.	34	143 B	4:43 PM	180	14.00	10	1800	6944651	
ALL -0104-18	SIX LOS IN TENT OUT-	3-1	14314	4:43 PM	180	10.60	10	1800	6944662	
ALK -0104 -19	SIST LOOPS 208. WHALL	3×1	14485	4:48 Pm	180	10.00	10	1800	59 <b>44</b> 663	
BUR -0104 -200	SISE LOOK 208, W HAW	3-A	144/3	4:44 PM	180	10.02	10	1800	6944664	
ALL -0104-21	FIELD ALANK	1	/	/		/	1	/	5944665	
ARB -DIOY -22	FIELD SLINK	1	/	/			. /	/	<b>694466</b> 6	
UL -0104-23	SEALED BLANK	/	/	1	1		/		6944667	

Sam	plina	Codes
	79	Coucs

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area Environmental Work Area
- Personnel Clean Area
- 7 Environmental Clean Area

Α	Aggressive

- Normal
  E Excursion
  T TWA
  R Representative

Turnaround Time (TAT): ☐ Immediate ☑ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ Other								
6 Hour TAT Contact:	97.72	CE 10 C	at:					
Samples Collected By:	or Seen	,	Date: 1.4.2	<del></del>				
Transmitted to Lab By:	Center Ato	Lep _ 1 2020	Date: /- C	1-26				
Received in Lab By:		JAN CI	Date:					
Samples Analyzed By:	12/18	Sul	Date: //	5720				

Project: Mouse	E.S.	Date:/-4-20	
Project Number: 010-4	1541	Rotometer No.: HVR /89 LVR	*******
Laboratory: INU	Analysis: TF.P.1	Phila Requirements AVES N	<u> </u>

		SAMPLES			JG & CH	THE OF	T				
	No.	Location	Code	-	TIME	I		CALIBRATION		ANALYTICAL	
Talend X State of the State of			Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
SIL -2	oidy -24	lost 201.	32	14600	4:46	180	poor	10	1800	6944668	
bls -1	0104-25	HAH WOL IN HAVE BY	3W	14614	4:46	180	1000	10	1800	6944668	
bUS -1	מב- אמום	SULL STALODA.	3-2	1461	4:46 pm	180	10.00	10	1800	6944670	
UL -1	o14 -27	MANUAL W HAVE AY	32	145As	U:47 PM	186	10.00	10.	1800	6944671	
SH D	>1d4 -D8	MAN LOU IN HALL BY Looks 208.	3.N	14228	4:46	180	10.02	/0	1800	694467	
•	-										
-	-										
-	-							-			

Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Area Personnel Clean Area Environmental Clean Area	A Aggressive Normal E Excursion T TWA R Representative	Turnaround Time (TAT): Immediate 6 Hour 6 Hour TAT Contact:  Samples Collected By:  Transmitted to Lab By:  Received in Lab By:  Samples Analyzed By:	24 Hour



# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No.:	607168
	228 Moore Stre	et		Project:	McClure
	Philadelphia, P.	A 19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time	e: 6 Hour Rush
Client Contac	cts:		Laborator	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld I	II
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iatl	.com
Chain of Cus	tody:				
Samples Taken	in Field:	Client	Date:	1/4/2020	Time:
Samples Rec'd a	at Laboratory:	D. Gutierrez	Date:	1/4/2020	Time:
Samples Analyz	zed:	J. Jeon	Date:	1/5/2020	Time:
Preliminary Res	sults Faxed:		Date:		Time:
Preliminary Res	sults E-Mail:	W	Date:		Time:
		C	nmam, Data		

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	. C	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0104-01	6944622	1804	None Detected	< 19.2	< 0.0041
BRB-0104-02	6944623	1804	None Detected	< 19.2	< 0.0041
BRB-0104-03	6944624	1804	None Detected	< 19.2	< 0.0041
BRB-0104-04	6944625	1804	None Detected	< 19.2	< 0.0041
BRB-0104-05	6944626	1804	None Detected	< 19.2	< 0.0041
BRB-0104-09	6944630	1804	None Detected	< 19.2	< 0.0041
BRB-0104-10	6944631	1804	None Detected	< 19.2	< 0.0041
BRB-0104-11	6944632	1804	None Detected	< 19.2	< 0.0041
BRB-0104-12	6944633	1804	None Detected	< 19.2	< 0.0041
BRB-0104-13	6944634	1804	None Detected	< 19.2	< 0.0041
	·				

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> . Average (s/mm <sup>2</sup> ) = 19.2	Grid Box #:	1834
Phila. Regulations Clearance Criteria is 0.00554 s/cc based on 5 samples Geo = 0.0041	***************************************	
Z Test Reults (see attached, if applicable)	Instrument (I, II, III	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revision Date: 10/06/18



# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synartach Inc			Detel No		(07160
Chent.	Synertech Inc.	***************************************		Batch No.:		607168
	228 Moore Stre	et	3114	Project:	N	1cClure
	Philadelphia, PA	19148		Project No.:	01	0-4541
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Ti	me: 6	Hour Rush
Client Contac	ts:		Laboratory (	Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfel	d III	
Phone:			Phone:	(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@ia	atl.com	
Chain of Cust	ody:					
Samples Taken in	n Field:	Client	Date:	1/4/2020	Time:	
Samples Rec'd at	Laboratory:	D. Gutierre	Date:	1/4/2020	Time:	
Samples Analyze		J. Jeon	Date:	1/5/2020	Time:	
Preliminary Resu	ılts Faxed:		Date:		Time:	
Preliminary Resu	ılts E-Mail:		Date:		Time:	
			Summary Data			
•		Trai	nission Electron Microscopy	v		
			AHERA 40CFR 763			·
Client	IATL	Volume	Comments		Results	Results

Client	IATL	Volume	C	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0104-14	6944635	1804	None Detected	< 19.2	< 0.0041
BRB-0104-15	6944636	1804	None Detected	< 19.2	< 0.0041
		***************************************			
		***************************************			
	***************************************	: 			
	***************************************				
				<b></b>	
				<u> </u>	
				<b> </b>	
				<u> </u>	

Z Test Reults (see attached, if applicable)			Instrument (I, II, III_	Ш
Phila. Regulations Clearance Criteria is 0.00393 s/cc		Geo = 0.0041	_	
AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1834

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revision Date: 10/06/18



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6944622 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Volume In Tent Next To Room Concentration (s/cc): <0.0041 **Client No.:** BRB-0104-01 Asbestos Type(s): None Detected

Date Sampled: 1/4/20

**Lab No.:** 6944623 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-02 **Location:** High Volume In Tent Next To Room Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Date Sampled: 1/4/20

Lab No.: 6944624 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-03 **Location:** High Volume In Tent Next To Room Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Date Sampled: 1/4/20

Lab No.: 6944625 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-04 **Location:** High Volume In Tent Next To Room Concentration (s/cc): <0.0041

**Asbestos Type(s):** None Detected Date Sampled: 1/4/20

Lab No.: 6944626 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-05 **Location:** High Volume In Tent Next To Room Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

**Date Sampled:** 1/4/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received:

01/05/2020 Date Analyzed: Signature:

Jhoon Jeon Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:55:24 Page 1 of 3



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6944630 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-09 **Location:** High Volume In Hall By Girl's Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Bathroom

Date Sampled: 1/4/20

**Density (s/mm<sup>2</sup>):** <19.2 **Lab No.:** 6944631 **Volume:** 1804.0 L

**Client No.:** BRB-0104-10 **Location:** High Volume In Hall By Room 201 Concentration (s/cc): <0.0041 Date Sampled: 1/4/20 Asbestos Type(s): None Detected

**Lab No.:** 6944632 **Volume:** 1804.0 L

**Client No.:** BRB-0104-11 Location: High Volume In Hall By Room 208 Concentration (s/cc): <0.0041 **Date Sampled:** 1/4/20 Asbestos Type(s): None Detected

**Lab No.:** 6944633 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-12 Location: High Volume In Hall By Room 208 Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected **Date Sampled:** 1/4/20

**Lab No.:** 6944634 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

Concentration (s/cc): <0.0041 **Client No.:** BRB-0104-13 **Location:** High Volume In Hall By Room 210 Date Sampled: 1/4/20 Asbestos Type(s): None Detected

**Lab No.:** 6944635 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0104-14 Location: High Volume In Hall By Room 210 Concentration (s/cc): <0.0041 Date Sampled: 1/4/20 Asbestos Type(s): None Detected

**Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Lab No.:** 6944636 **Client No.:** BRB-0104-15 **Location:** High Volume In Hall By Room 210 Concentration (s/cc): <0.0041 **Date Sampled:** 1/4/20 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: Approved By:

01/05/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Frank E. Ehrenfeld, III Laboratory Director

**Density (s/mm<sup>2</sup>):** <19.2

Dated: 1/13/2020 3:55:24 Page 2 of 3



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944622 **Volume (L):** 1804.0 L

Client No.: BRB-0104-01 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Volume In Tent Next To Room **Pore Size (µm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

**Micrograph Number:** Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6944623 Volume (L): 1804.0 L

**Client No.:** BRB-0104-02 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Volume In Tent Next To Room Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Filter Type: MCE

Approved By:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Frank E. Ehrenfeld, III

Laboratory Director

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020

Date Analyzed:

Analyst:

Signature: Jhoon Jeon

Dated: 1/13/2020 3:55:25 Page 1 of 7



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

#### TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6944624 Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0104-03 **Date Sampled:** 1/4/20

> **Pore Size (μm):** 0.45 **Location:** High Volume In Tent Next To Room

> > Approved By:

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

**Micrograph Number:** Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

Lab No.: 6944625 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-04 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 Pore Size (µm): 0.45

**Location:** High Volume In Tent Next To Room

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Frank E. Ehrenfeld, III

Laboratory Director

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020

Date Analyzed:

Analyst:

**EDXA Spectrum ID:** 

Signature:

Jhoon Jeon

Dated: 1/13/2020 3:55:25 Page 2 of 7



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

### TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944626 Volume (L): 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-05 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/4/20

**Pore Size (µm):** 0.45 **Location:** High Volume In Tent Next To Room

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** Geometric Mean = 0.0041 Structures/cc Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

Dated: 1/13/2020 3:55:25

1/4/2020

Date Analyzed:

01/05/2020

Signature:

Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 3 of 7



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944630 **Volume (L):** 1804.0 L **Date Sampled:** 1/4/20 **Client No.:** BRB-0104-09

Filter Size (mm<sup>2</sup>): 385 Location: High Volume In Hall By Girl's **Pore Size (µm):** 0.45

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Bathroom

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

**Lab No.:** 6944631 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-10 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Volume In Hall By Room 201 **Pore Size (µm):** 0.45

Asbestos Structures: None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Lab No.: 6944632 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-11 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 Location: High Volume In Hall By Room 208 **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received:

01/05/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 1/13/2020 3:55:25 Page 4 of 7



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944633 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-12 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

Location: High Volume In Hall By Room 208 **Pore Size (µm):** 0.45

**Asbestos Structures:** None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

**Lab No.:** 6944634 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0104-13 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Volume In Hall By Room 210 **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected **EDXA Spectrum ID:** 

Lab No.: 6944635 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0104-14 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Volume In Hall By Room 210 **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: Approved By: 01/05/2020 Date Analyzed:

Frank E. Ehrenfeld, III Signature: Laboratory Director

Dated: 1/13/2020 3:55:25 Page 5 of 7

Jhoon Jeon

Analyst:



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607168 - TEM AHERA Rev #2, 1/13/2020

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

**Lab No.:** 6944636

**Client No.:** BRB-0104-15

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Volume (L): 1804.0 L **Date Sampled:** 1/4/20

Location: High Volume In Hall By Room 210

Asbestos Structures: None Detected

Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq$  5.0  $\mu$ m: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/4/2020

Date Analyzed:

01/05/2020

Signature:

Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 1/13/2020 3:55:26 Page 6 of 7

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228 Moore Street • Philadelphia, Pennsylvania 19148 Phone 215-755-2305 • Fax 215-755-2405

www.gosynertech.com

Project:; Mc_	dore	EL	e Mento	al/bate:	1-4-	20	_
Project Number:	010-	4541		/ Rotom	eter No.: H	VRLVR	_
Laboratory: T	A + /	Analysis:	TEM	Dhila	Poguiromor	ato: VES I N	_

Do not analyze 

	SAMPLES TIME CALIBRATION						TION	ANALYTIC	CAL	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ATS-01-01	2nd Floor main Hall across From 204		3'38 PM	6:38 PW	180	10	16	1800	694464	
ATS-01-02	Hall across From 203		3:38 PM	6938 PM	180	70	10	(800	<b>694464</b> 8	
ATS- 01 03	2 Nd FLOOR Main Hall IN Front Of office	3 A	3138 PM	6:38 PM	180	10	10	1800	6944649	
ATS- 01 04	ZNd Floor main Hall IN Front of 262	3A	3:38 P M	6:38	180	16	10	1800	6944650	
ATS 01 05	Main Hall IN Front of decon.	3A	3.38 PM	6,38	180	10	10	1800	6944651	
ATS 04- 06	Outside 200 > Floor main Hall Bathroom sw.#3	3 A	3:44 PM	6744	1800 180	10	10	1800	6944652	
ATS 01 07	outside 2nd Fla man Hall near 204	3A	31.44 PM	6:44	180	10	10	1800	<b>6944</b> 653	
ATS-01-08	Outside 2 Nd Fire main Hall neu 203	3A	3:44 PM	6:44	180		E/Q	1800)	694465	

Sa	mr	line	7 C	odes

- Diagnostic
- Preliminary Clearance/Final
- Personnel Work Area
- Environmental Work Area
- Personnel Clean Area Environmental Clean Area
- A Aggressive Normal
- E Excursion
  T TWA
  R Representative

Turnaround Time (	TAT): Immedia	ate 💢 6 Hour 🖂 24	Hour	☐ Other
6 Hour TAT Contact:		V 0000	at:	
Samples Collected By:	alextra	- Let all	Date:	1-4-20
Transmitted to Lab By:	Chille	VI Cell	Date:	1-4-20
Received in Lab By:		54 da	Date:	
Samples Analyzed By:		DY TOUX	Date:	15/20
		OA KIM	eld ilcit	0070

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228 Moore Street • Philadelphia, Pennsylvania 19148 Phone 215-755-2305 • Fax 215-755-2405

Project: Mc	Clure	ELe	mentardate:_	1-4-20
Project Number:	010-	-4541	Rotome	ter No.: HVR LVR_
Laboratory: T	A T /	Analysis:	TEM Phila R	equirements: TYES T NO

www.gosynertech.com 1 - 5 6-13 AID CAMPLE LOC & CHAIN OF CHISTORY

	SAMPLES			TIME CALIBRATION ANALYTICA					CAL	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
A75-01-09	outside 2nd FlR mam Hall new 202		3:44 PM	6:4F PM	180	16	10	1800	6944655	
ATS-01-10	FL main Hall Near Bathroom	3 A	3:44 PM	6244 pw	180	10	10	1800	6944656	
ATS 01 11	ac Blank Freld	- Carrier Carrier							6944657	
ATS 01 12	QC Blank Field	,							6944658	
ATS-01/3	Sealed Sealed			-					6944659	
					-					
					-					

_		
Samp	ling	Codes

	anosi	

7 Environmental Clean	Area
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Α	Aggres	sive
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<u> </u>	, , , , ,
R	Representative

Turnaround Time (TAT): ☐ Immediațe	e ⊠ 6 Hour 🗌 24 Hour 🗌	] 48 Hour 🔲 Other
6 Hour TAT Contact: Bovnard	18 ry 50 a.	at:
Samples Collected By:	teill	Date: / -4-20
Transmitted to Lab By:	1 & Cell	Date: 1-4-20
Received in Lab By:		Date:
Samples Analyzed By:		Date:

Preliminary

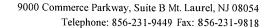
Clearance/Final

Personnel Work Area

<sup>5</sup> Environmental Work Area

<sup>6</sup> Personnel Clean Area

Normal
E Excursion
T TWA





# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No.:	607170
	228 Moore Stree	t		Project:	McClure ES
	Philadelphia, PA	19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time:	6 Hour Rush
Client Contac	ets:		Laboratory	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld III	
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:	<b>H</b>		Cell/Pager:	(609) 929-4211	
E-Mail: X	1		E-Mail:	frankehrenfeld@iatl.c	<u>om</u>
Chain of Cust	tody:				
Samples Taken	in Field:		Date:		Time:
Samples Rec'd a	t Laboratory:	SG	Date:	1/4/2020	Time:
Samples Analyz	ed:	B. Reich	Date:	1/5/2020	Time:
Preliminary Res			Date:		Time:
Preliminary Res	ults E-Mail:		Date:		Time:
		6	-		

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID#	Sample ID #	(L)	Comments	s/mm²	s/cc
ATS-1-4-1	6944647	1800	None Detected	< 19.2	< 0.0041
2	6944648	1800	None Detected	< 19.2	< 0.0041
3	6944649	1800	None Detected	< 19.2	< 0.0041
4	6944650	1800	None Detected	< 19.2	< 0.0041
5	6944651	1800	None Detected	< 19.2	< 0.0041
		·			
	**				

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1830
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041		***************************************
Z Test Reults (see attached, if applicable)	T-244		Instrument (I, II, III_	II

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM.AHERA.001



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607170 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elemetary

Project No.: 010-4541

Client: SYN177

#### TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6944647Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: ATS-0104-01Location: 2nd Floor Main Hall Across From 204Concentration (s/cc): <0.0041</td>Date Sampled: 1/4/20Asbestos Type(s): None Detected

Lab No.: 6944648 Volume: 1800.0 L Density (s/mm²): <19.2
Client No.: ATS-0104-02 Location: 2nd Floor Main Hall Across From 203 Concentration (s/cc): <0.0041
Date Sampled: 1/4/20 Asbestos Type(s): None Detected

Lab No.: 6944649

Client No.: ATS-0104-03

Client No.: ATS-0104-03

Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Date Sampled: 1/4/20

 Lab No.: 6944650
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: ATS-0104-04
 Location: 2nd Floor Main Hall In Front Of 202
 Concentration (s/cc): <0.0041</td>

 Date Sampled: 1/4/20
 Asbestos Type(s): None Detected

Lab No.: 6944651 Volume: 1800.0 L
Client No.: ATS-0104-05 Location: 2nd Floor Main Hall In Front Of
Decon Decon Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Date Sampled: 1/4/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/4/2020
Date Analyzed: 01/05/2020

Signature:
Analyst:
Ben Reich

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:57:49 Page 1 of 2



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607170 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

Client: SYN177

#### TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944647 Volume (L): 1800.0 L Filter Type: MCE **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-0104-01 Location: 2nd Floor Main Hall Across From 204 Pore Size (µm): 0.45

Non-Asbestos Structures: None Detected

**Grid Openings: 4 Asbestos Structures:** None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Lab No.: 6944648 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0104-02 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

Location: 2nd Floor Main Hall Across From 203 Pore Size (µm): 0.45

**Grid Openings: 4** Asbestos Structures: None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected

**EDXA Spectrum ID:** 

Lab No.: 6944649 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0104-03 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Pore Size (µm):** 0.45 Location: 2nd Floor Main Hall In Front Of

Approved By:

Office

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:57:50 Page 1 of 3



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607170 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

Client: SYN177

#### TEM AIR SAMPLE ANALYSIS DETAILS

**Lab No.:** 6944650 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0104-04 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Location:** 2nd Floor Main Hall In Front Of 202 **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected **EDXA Spectrum ID:** 

Lab No.: 6944651 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0104-05 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Location:** 2nd Floor Main Hall In Front Of **Pore Size (μm):** 0.45

Decon

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:57:50 Page 2 of 3

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Ε	N	٧	ī	R	0	N	M	E	N	T	A	L		c	0	N	5	U	L	T	1	N	G

Project: Maure E.	5.		 Date: 1.4-20	
Project Number: 010-4	541		Rotometer No.: HVR	LVR
Laboratory: TITI	Analysis:	TFM	Phila Requirements: ✓	IYES□NO

SAMPLES				TIME		CALIBRATION ANALYTICAL			CAL	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ded - 0104-16	MICH WILL TENT OUTSER ,	32	143 Ps	4'.43 1 m	180	10.00	1800	1800	6944660	
RUS -0104-17	SOE LOOD 208 IN HAUL.	34	143 B	4:43 pm	180	14.02	10	1800	6944681	
ALL -0104-18	SIX LOS IN TENT OUT-	3-4	1434	4:43 PM	180	10.62	10	1800	6944662	
AUX -0104 -19	SUS LOOP 208, WHALL	3×1	144125	4:98 PM	180	10.02	10	18 00	6944663	·
WK -0104 -310	SNE LOOP 208. W HALL	3-1	144/3	4:44 PM	180	10.02	10	1800	<b>6944</b> 664	
MA -0104-21	FIELD ALANK	/	/	/	/	/	/	/	5944665	
ALLS -0104-DZ	FIRES SLANK	/	/	/	/	/	/	/	<b>694466</b> 6	
44 -0104-23	SEALED KLAUK	1		/	1	/	/	/	6944667	

Sampling Co	odes
-------------	------

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area
- Environmental Work Area
- 6 Personnel Clean Area 7 Environmental Clean Area
- A Aggressive
- Normal
  Excursion
  TWA
  Representative

Turnaround Time (TA	\T): 🔲 Immediate 🔀 6 I	Hour 🔲 24 Hour 🗌	] 48 Hour [	Other	
6 Hour TAT Contact:			at:		
Samples Collected By:	2 Same	<i>A</i>	Date:	4.20	
Transmitted to Lab By:(	enter How	elep 1 2020	Date:	1-4-20	
Received in Lab By:	010	JAN CI	Date:		
Samples Analyzed By:	12/1U	Sul	/Date:	1/5/20	
MA KM	MINDO .	T. BY 1	The second secon		

Project: Mouse E.S	/ 7(	Date:/-4-20	
Project Number: 010-45		Rotometer No.: HVR <u>/89</u> LV	R
Laboratory: T.M.	Analysis. The	Phila Requirements: A VES	

### AIR SAMPLE LOG & CHAIN OF CUSTODY

AIR SAMPLE LOG & CHAIN OF COSTODT										
SAMPLES				TIME		C	CALIBRATION ANALYT			CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
blb -0104-24	WHH was in HALL by	3=2	14607	4:46 PW	180	poor	10	1300	<b>694466</b> 8	
US -0104 -25	HAH LOC IN HAW BY	3-W	14643	4:46	180	1002	10	1900	<b>6944</b> 663	
LUS -01H -24	ALLA COL IN HALL BY LICLE STALOOM.	3·W	14 CAS	4:46 pm	180	10.00	10	1800	6944670	
616 -014 -27	Loops 208.	32	145145	y: 47	186	10.00	10	1800	6944671	
WA DIST-BE	AND LOOK IN HALL BY	3.2	14248	414	180	10.02	/0	1800	6944672	

Sam	nlina	Codes
Jaili	UIIII	CUUCS

Diagnostic

Preliminary

Clearance/Final

Personnel Work Area

Environmental Work Area

Personnel Clean Area

7 Environmental Clean Area

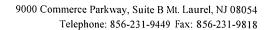
Α	Agg	ressiv

Normal E Excursion

T TWA Representative

6 Hour TAT Contact:		
Samples Collected By:	In Severy	
Transmitted to Lab By:	ante	Xzull
Received in Lab By:	<u> </u>	
Samples Analyzed By:		

Turnaround Time (TAT): ☐ Immediate ☐ 6 Hour ☐ 24 Hou	ur 🔲 48 Hour 🔲 Other
6 Hour TAT Contact:	at:
Samples Collected By:	Date: 1.4.20
Samples Collected By: Serry  Transmitted to Lab By: Little Little	Date: 1-4-20
Received in Lab By:	Date:
Complex Analyzed Div	Data







### PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Chent:	Synertech Inc.			Batch No.:	607171
	228 Moore Street			Project:	McClure ES
	Philadelphia, PA	19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Tin	ne: 6 Hour Rush
Client Contac	ts:		Laboratory	Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld	III
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail: 🗶	29		E-Mail:	frankehrenfeld@iat	1.com
Chain of Cust	ody:				
Samples Taken in	n Field:		Date:		Time:
Samples Rec'd at	Laboratory:	SG	Date:	1/4/2020	Time:
Samples Analyze	ed:	B. Reich	Date:	1/5/2020	Time:
Preliminary Resu	ılts Faxed:		Date:		Time:
Preliminary Resu	ılts E-Mail:		Date:		Time:
		~			

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
0104-16	6944660	1800	None Detected	< 19.2	< 0.0041
017	6944661	1800	None Detected	< 19.2	< 0.0041
18	6944662	1800	None Detected	< 19.2	< 0.0041
19	6944663	1800	None Detected	< 19.2	< 0.0041
20	6944664	1800	None Detected	< 19.2	< 0.0041
***************************************					
****					

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm²) =	19.2	Grid Box #:	1830
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	H

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM.AHERA.001



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607171 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

> > **Density (s/mm<sup>2</sup>):** <19.2

Asbestos Type(s): None Detected

Asbestos Type(s): None Detected

**Asbestos Type(s):**None Detected

Asbestos Type(s): None Detected

Client: SYN177

### TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6944660 **Volume:** 1800.0 L

**Location:** High Volume In Tent Outside Room Concentration (s/cc): <0.0041 **Client No.:** BRB-0104-16 Asbestos Type(s): None Detected

208 In Hall

Date Sampled: 1/4/20

**Lab No.:** 6944661 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-17 **Location:** High Volume In Tent Outside Room Concentration (s/cc): <0.0041

208 In Hall

Date Sampled: 1/4/20

Lab No.: 6944662 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-18 **Location:** High Volume In Tent Outside Room Concentration (s/cc): <0.0041

208 In Hall

Date Sampled: 1/4/20

Lab No.: 6944663 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0104-19 **Location:** High Volume In Tent Outside Room Concentration (s/cc): <0.0041

208 In Hall

Date Sampled: 1/4/20 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Volume In Tent Outside Room Concentration (s/cc): <0.0041

208 In Hall

**Date Sampled:** 1/4/20

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6944664

**Client No.:** BRB-0104-20

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020

Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:57:55

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 2



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Synertech Inc. Report Date: 1/5/2020 Client:

228 Moore Street Report No.: 607171 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

> > Filter Type: MCE

Client: SYN177

#### TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944660 Volume (L): 1800.0 L Date Sampled: 1/4/20 **Client No.:** BRB-0104-16

Filter Size (mm<sup>2</sup>): 385 **Location:** High Volume In Tent Outside Room **Pore Size (µm):** 0.45

208 In Hall

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

Lab No.: 6944661 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** BRB-0104-17 **Date Sampled:** 1/4/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Volume In Tent Outside Room **Pore Size (µm):** 0.45

208 In Hall

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2

**Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received:

Dated: 1/13/2020 3:57:56

01/05/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 4

Approved By:



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607171 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

Client: SYN177

#### TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944662 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** BRB-0104-18 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/4/20

> **Location:** High Volume In Tent Outside Room **Pore Size (µm):** 0.45

208 In Hall

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

**Lab No.:** 6944663 Volume (L): 1800.0 L

**Client No.:** BRB-0104-19 **Date Sampled:** 1/4/20 **Location:** High Volume In Tent Outside Room

208 In Hall

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385

**Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

**EDXA Spectrum ID:** 

1/4/2020

Date Analyzed:

01/05/2020

Signature:

Ben Reich Analyst:

Dated: 1/13/2020 3:57:56

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/5/2020

228 Moore Street Report No.: 607171 - TEM AHERA Philadelphia PA 19148 Project: McClure Elemetary

> Project No.: 010-4541

Client: SYN177

**Grid Openings: 4** 

**EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

#### TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6944664 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** BRB-0104-20 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/4/20

**Pore Size (µm):** 0.45 **Location:** High Volume In Tent Outside Room

208 In Hall

Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Non-Asbestos Type(s): None Detected Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/4/2020 Date Received: 01/05/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 1/13/2020 3:57:56 Page 3 of 4

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_	J289			MENO.	 	<u></u>	_		٠.,		_	_	M	-	11	_		 M	-	

**Sampling Codes** 

Diagnostic

Preliminary

Clearance/Final

Personnel Work Area

Environmental Work Area Personnel Clean Area Environmental Clean Area A Aggressive

Excursion

R Representative

Normal

T TWA

Project: MCUMA E.S.	Date:
Project Number: Ow 4541	Rotometer No.: HVR 189 LVR
Laboratory: TATO Analysis: TEG	Phila. Requirements: YES NO

AIR SAMPLE LOG & CHAIN OF CUSTODY **CALIBRATION ANALYTICAL** TIME SAMPLES Laboratory # Results Start **Finish** Liters Off Total Location Code On No. Fibers/Fields WH vou w kook NO- (DIO -0) 10.00 1804 180 1002 1118AL 81815 3-2 6946387 HIGH WOU W ROOMS 1804 MR -0107-02 11/8AK 180 1000 818AB 10.02 3-2 6946383 HILH LOW IN REDAY 6946389 819Ah 1804 MB -0107-03 111945 3-1 HILL WOLW ROOM 180 3-2 819AB 1119AB 10.02 1804 6946390 HIGH LOL 6946391 180 10.00 1121AK 10.02 MB 0107-25 3-1 1804 82185 HILL WE WENT 3-2 1804 10.00 1118 -0100-06 IDIAL 10.02 180 821AB <u>694539</u> HILH LOVE IN HAIR 1804 1002 10.02 3-2 822AL 180 MB -0107 -67 1122AK 6945393 180 OFFICE. ICEB NB -0107-08

 3-2	82744	112241	100	poor	1000	1804		09403	J   L	
Turnaro	und Time	⊥ e (TAT): [	Immed	<del>⊥</del> diate [] 6	Hour 🗌	24 Hour [	48 H	our 🗌 Othe	r	
	T Contact:						at:			
	Collected By	1:Br	. Devu		* -		Date:_	1.7.20		
•	ed to Lab By	· /	Summe	/			Date:_	1.7.20	JAM T	<u>- /).//</u> //
	in Lab By:_			Λ	$\cap$		Date:_			
	Analyzed By	/: <b>5</b>	5 1/1/2	. /X	F- 1/8	170	Date:_			
pioo7			Qui	1-8-4						parathelia (Control of Control of



Project: MCUNER E.S.		Date:
Project Number: 010-459		Rotometer No.: HVR_/gg_LVR
Laboratory: TATU	_ Analysis:	_ Phila. Requirements: ⊠ YES ☐ NO

GEO MEAN

	SAMPLES			TIME	······································	T C	ALIBRA	rion	ANALYTICAL		
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
bis 0100 09	LESUE COSY LOOM.	32	824As	1124,44	180	10.02	0.00	1804	6946395		
bls -0107-10	HAN LOU IN OFFILE RESISE COPY ROOM.	3×V	82414	ון מאצבון	180	1002	D.DZ	1804	6946396		
bib -0107-11	ALLAN WOOD IN HALL EN-	3-4	114014	240As	180	10.52	10.00	1804	6946397		
UB -0107 -12	WHI WOU IN HALL EN-	3-4	114044	24494	180	10.00	10.00	1804	6943398		
blb -0107-13	CHANGE IN HALL EN-	3×1	1141Ab	241145	RO	10.00	10.02	1804	6946391		
SUB -0107-4	CHARLES LOOK 109.	3-4	114145	241841	180	15.00	10.00	1804	6940406		
AB -0100-15	HILL WOU IN HAVE EIN-	34	1141114	24 Ps	180	10.02	10.02	1841	<u> </u>		
616 0107-1V	would by house 108	3-4	11444	244/4	180	10.02	10.02	1869	<b>694</b> 6 <b>4</b> 02		

Sam	pling	Codes
-----	-------	-------

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area
- Environmental Work Area
- Personnel Clean Area
- 7 Environmental Clean Area

Α	Aggressive

- Normal
  E Excursion
  T TWA
  R Representative

Turnaround Time (TAT): ☐ Immediate ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ Other								
6 Hour TAT Contact:	at:							
Samples Collected By: And Bury	Date: 1.7.20							
Samples Collected By: An Bluy Transmitted to Lab By: Az Bluy	Date: 1 - 7 - 20							
Received in Lab By:	Date:							
Samples Analyzed By:	Date:							

Project: Hunk E.S.	Da	ite:	 1.7	20	2	<del></del>		
								_

Project Number: 010-4541

Analysis: TEM Laboratory: ZITL

Rotometer No.: HVR 189 LVR 418

Phila. Requirements: 

☐ YES ☐ NO

☐ NO

		SAMPLES		TIME		С	ALIBRA	ΓΙΟΝ	ANALYTICAL		
	No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
au	-DIO -17	ANGEL OF HALL ENCO	3-A	114844	244/4	180	10.02	10.02	1841	6946403	
Sil	-0107 -18	HIGH WAS IN HALL ENCLO WHEN BY GOODS 108.	3-A	11441AK	244PS	180	10.02	10.02	1804	6945404	
aus	<del>2</del> 105 -18	SHEN WOLL HALL ENCUO- SHE Ay ROOM 108.	3-4	14574	245/4	180	10.02	10.00	1841	5945405	
an	-010) -20	414 vou w HAV ENCLO-	3-A	1145 As	245/K	180	10.00	10.02	184	6943408	
SAS	-DIO] -2/	HAN USE W HALL BY LODYS 108-109.	3W	113 Als	BOA	180	10.02	10.02	1801	6945407	
sus	-DIO - 22	HALL WOL IN HALL BY	370	1130AK	23 <i>C</i> A	180	10.00	10.52	1841	5945403	
sus	-0107 - 23	WHA IN W HAU BY WILLES AND AND # 4	3-W	/13/A1	231A	180	10.02	10.02	1804	<del>5945403</del>	
RAS	-0/07 - 3Y	HANGE IN HALL BY	3-2	13111	231/4	180	10.02	por	1804	6946410	

Sam	plina	Codes

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area
- Environmental Work Area
- Personnel Clean Area 7 Environmental Clean Area
- A Aggressive
  N Normal
  E Excursion
  T TWA

- Representative

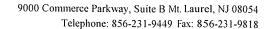
Turnaround Time (TAT): ☐ Immediate ☑ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ Other						
6 Hour TAT Contact:	at:					
Samples Collected By: Ar Sury	Date: 1.7.20					
Samples Collected By: Are Langer Transmitted to Lab By: Are Langer	Date: 1.7.20					
Received in Lab By:	Date:					
Samples Analyzed By:	Date:					



Project: Maure E.S.	Date: 1.7-20			
Project Number: 010-454		Rotometer No.: HVRLVR		
Laboratory: <i>Taru</i>	Analysis: TEH	Phila. Requirements: YES NO		

	<i>[.</i>	AIK SAIN	IPLE LO	G & CH	AIN OF	CUSTOD				
SAMPLES		TIME		CALIBRATION			ANALYTICAL			
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ANS -0107 -35	MAN OFFICE.	3-2	113141	231 <i>P</i> 4	180	10.02	10.02	1804	694641	4
AM -0100 -26	FRUS RESUL	/	/	/	/	/	/	/	594542	
US -0107 -27	FISIS KLANK		, ,	/	1	/	/	/	5945413	
665 - COIO - 38	SEALED LLAUK	/	1	/	1	/		/	694541	· ·
		-								
<b>-</b> -										

Sampling Codes Diagnostic Diagnos	Turnaround Time (TAT): 6 Hour TAT Contact: Samples Collected By: Transmitted to Lab By: Received in Lab By: Samples Analyzed By:	Sury	our	



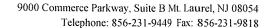


Client: Synertech Inc.			Batch No.:	607361				
	228 Moore Str	eet		Project:	McClure ES			
	Philadelphia, F	A 19148		Project No.:	010-4541			
Client No.: SYN177			Philly Regs:	Y				
				Turn-Around Tin	ne: 6 Hour Rush			
Client Contac	ts:		Laboratory	Laboratory Contacts:				
Contacts:			Contacts:	Frank E. Ehrenfeld	III			
Phone:			Phone:	(856) 231-9449				
Fax:			Fax:	(856) 231-9818				
Cell/Pager:			Cell/Pager:	(609) 929-4211				
E-Mail:			E-Mail:	frankehrenfeld@iatl.com				
Chain of Cust	ody:							
Samples Taken in	n Field:	Client	Date:	1/7/2020	Time:			
Samples Rec'd at	Laboratory:	L. D'Ornellas	Date:	1/7/2020	Time:			
Samples Analyzed: J. Jeon		Date:	1/7/2020	Time:				
Preliminary Results Faxed:		Date:		Time:				
Preliminary Resu	ılts E-Mail:		Date:	***************************************	Time:			
		Summary Data						

## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0107-01	6946387	1804	None Detected	< 19.2	< 0.0041
BRB-0107-02	6946388	1804	None Detected	< 19.2	< 0.0041
BRB-0107-03	6946389	1804	None Detected	< 19.2	< 0.0041
BRB-0107-04	6946390	1804	None Detected	< 19.2	< 0.0041
BRB-0107-05	6946391	1804	None Detected	< 19.2	< 0.0041
BRB-0107-06	6946392	1804	None Detected	< 19.2	< 0.0041
BRB-0107-07	6946393	1804	None Detected	< 19.2	< 0.0041
BRB-0107-08	6946394	1804	None Detected	< 19.2	< 0.0041
BRB-0107-09	6946395	1804	None Detected	< 19.2	< 0.0041
BRB-0107-10	6946396	1804	None Detected	< 19.2	< 0.0041
				<u> </u>	

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1831
Phila. Regulations Clearance Criteria is 0.00554	4 s/cc based on 5 samples	Geo = 0.0041	**************************************	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш



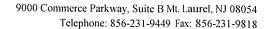


Chent:	Synertech inc.			Batch No.:	607361	
	228 Moore Stre	et		Project:	McClure ES	
	Philadelphia, P.	A 19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Time:	6 Hour Rush	
Client Contac	ets:		Laboratory	y Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfeld III		
Phone:			Phone:	(856) 231-9449		
Fax:	***************************************		Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@iatl.co	<u>om</u>	
Chain of Cust	tody:					
Samples Taken i	in Field:		Date:		Time:	
Samples Rec'd a	it Laboratory:	L. D'Ornellas	Date:	1/7/2020	Time:	
Samples Analyz	_	B. Reich	Date:	1/8/2020	Time:	
Preliminary Res			Date:		Time:	
Preliminary Res	ults E-Mail:		Date:		Time:	
		Sun	mary Data			

## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
0107-11	6946397	1804	Chrysotile	19.2	0.0041
12	6946398	1804	None Detected	< 19.2	< 0.0041
13	6946399	1804	None Detected	< 19.2	< 0.0041
14	6946400	1804	None Detected	< 19.2	< 0.0041
15	6946401	1804	None Detected	< 19.2	< 0.0041
16	6946402	1804	Chrysotile	19.2	0.0041
17	6946403	1804	None Detected	< 19.2	< 0.0041
18	6946404	1804	None Detected	< 19.2	< 0.0041
19	6946405	1804	Chrysotile	19.2	0.0041
20	6946406	1804	None Detected	< 19.2	< 0.0041

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1831
Phila. Regulations Clearance Criteria is 0.00554	s/cc based on 5 samples	Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	1





Client:	Synertech Inc.			Batch No.:	607361	
	228 Moore Stre	et		Project:	McClure ES	
	Philadelphia, P	A 19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Time	: 6 Hour Rush	
Client Contacts:			Laboratory	y Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfeld II	I	
Phone:			Phone:	(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@iatl.c	<u>com</u>	
Chain of Cust	tody:					
Samples Taken i	in Field:		Date:		Time:	
Samples Rec'd a	t Laboratory:	L. D'Ornellas	Date:	1/7/2020	Time:	
Samples Analyz	-	B. Reich	Date:	1/8/2020	Time:	
Preliminary Res	-		Date:		Time:	
Preliminary Res	ults E-Mail:		Date:		Time:	
		G	mary Data			

## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client Sample ID #	IATL Sample ID #	Volume (L)	Comments	Results s/mm <sup>2</sup>	Results s/cc
0107-21	6946407	1804	None Detected	< 19.2	< 0.0041
22	6946408	1804	None Detected	< 19.2	< 0.0041
23	6946409	1804	Chrysotile	19.2	0.0041
24	6946410	1804	None Detected	< 19.2	< 0.0041
25	6946411	1804	None Detected	< 19.2	< 0.0041
				·	
	-				
	•				

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1831
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	<del></del>	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6946387 **Volume:** 1804.0 L **Density (s/mm²):** <19.2

Client No.: BRB-0107-01 Location: High Vol In Rm 110 Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

**Lab No.:** 6946388 **Volume:** 1804.0 L **Density (s/mm²):** <19.2

Client No.: BRB-0107-02 Location: High Vol In Rm 110 Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

Lab No.: 6946389 Volume: 1804.0 L Density (s/mm²): <19.2

Client No.: BRB-0107-03 Location: High Vol In Rm 109 Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

**Lab No.:** 6946390 **Volume:** 1804.0 L **Density (s/mm²):** <19.2

Client No.: BRB-0107-04 Location: High Vol In Rm 109 Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

**Lab No.:** 6946391 **Volume:** 1804.0 L **Density (s/mm²):** <19.2

Client No.: BRB-0107-05 Location: High Vol In Rm 108 Concentration (s/cc): <0.0041
Date Sampled: 1/07/20 Asbestos Type(s): None Detected

Lab No.: 6946392 Volume: 1804.0 L

Client No.: PRR 0107.06

Lacation: High Vol. In Pres 108

Concentration (c/ca): <0.0041

Client No.: BRB-0107-06 Location: High Vol In Rm 108 Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

**Lab No.:** 6946393 **Volume:** 1804.0 L **Density (s/mm²):** <19.2

Client No.: BRB-0107-07 Location: High Vol In Main Office 106B Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

Lab No.: 6946394 Volume: 1804.0 L

Client No.: PRR 0107.08

Lacetian: High Vol In Main Office 106B

Concentration (class) < 0.0041

Client No.: BRB-0107-08 Location: High Vol In Main Office 106B Concentration (s/cc): <0.0041

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/7/2020 Approved By:

Date Analyzed: 01/07/2020

Signature:
Analyst:

Jhoon Jeon

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:02 Page 1 of 6



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Client: SYN177 Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6946395Volume: 1804.0 LDensity (s/mm²): <19.2</th>Client No.: BRB-0107-09Location: High Vol In Office Beside Copy RmConcentration (s/cc): <0.0041</td>

106C Asbestos Type(s):None Detected

Date Sampled: 1/07/20

Lab No.: 6946396 Volume: 1804.0 L
Client No.: BRB-0107-10 Volume: 1804.0 L
Location: High Vol In Office Beside Copy Rm
Concentration (s/cc): <0.0041

Location: High Vol In Office Beside Copy Rm
106C

Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Date Sampled: 1/07/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/7/2020

Date Analyzed: 01/07/2020

Signature:
Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:02 Page 2 of 6



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Density (s/mm<sup>2</sup>):** 19.2

**Lab No.:** 6946397 **Volume:** 1804.0 L

**Client No.:** BRB-0107-11 **Location:** High Vol In Hall Enclosure By Rm Concentration (s/cc): 0.0041 **Asbestos Type(s):**Chrysotile

Date Sampled: 1/07/20

Lab No.: 6946398 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0107-12 Concentration (s/cc): <0.0041 **Location:** High Vol In Hall Enclosure By Rm Asbestos Type(s): None Detected

Date Sampled: 1/07/20

Lab No.: 6946399 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0107-13 Location: High Vol In Hall Enclosure By Rm Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Date Sampled: 1/07/20

Lab No.: 6946400 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0107-14 **Location:** High Vol In Hall Enclosure By Rm Concentration (s/cc): <0.0041 **Asbestos Type(s):** None Detected

Date Sampled: 1/07/20

**Density (s/mm²):** <19.2 Lab No.: 6946401 **Volume:** 1804.0 L **Location:** High Vol In Hall Enclosure By Rm **Client No.:** BRB-0107-15 Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Date Sampled: 1/07/20

Lab No.: 6946402 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0107-16

**Date Sampled:** 1/07/20

Location: High Vol In Hall Enclosure By Rm Concentration (s/cc): 0.0041 Asbestos Type(s): Chrysotile

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Ben Reich

Analyst:

Dated: 1/13/2020 3:58:02 Page 3 of 6 Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

**Asbestos Type(s):**None Detected

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

Analyst:

TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6946403 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** BRB-0107-17 **Location:** High Vol In Hall Enclosure By Rm **Asbestos Type(s):** None Detected

Date Sampled: 1/07/20

**Lab No.:** 6946404 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0107-18 **Location:** High Vol In Hall Enclosure By Rm Concentration (s/cc): <0.0041

**Asbestos Type(s):** 

Date Sampled: 1/07/20

**Lab No.:** 6946405 **Volume:** 1804.0 L **Density (s/mm²):** 19.2

**Client No.:** BRB-0107-19 Location: High Vol In Hall Enclosure By Rm Concentration (s/cc): 0.0041 **Asbestos Type(s):**Chrysotile

Date Sampled: 1/07/20

Lab No.: 6946406 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0107-20 **Location:** High Vol In Hall Enclosure By Rm Concentration (s/cc): <0.0041

**Date Sampled:** 1/07/20

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6946407 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Vol In Hall By Rooms 108-109 **Concentration (s/cc):** <0.0041 **Client No.:** BRB-0107-21

Date Sampled: 1/07/20 Asbestos Type(s): None Detected

Lab No.: 6946408 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

Location: High Vol In Hall By Woman's Staff Concentration (s/cc): <0.0041 **Client No.:** BRB-0107-22 Bathroom Asbestos Type(s): None Detected

**Date Sampled:** 1/07/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: Approved By:

01/08/2020 Date Analyzed: Signature:

Frank E. Ehrenfeld, III Laboratory Director Ben Reich

Dated: 1/13/2020 3:58:03 Page 4 of 6



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6946409 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0107-23 Location: High Vol In Hall By Lunch Rm Door Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile

Date Sampled: 1/07/20

**Lab No.:** 6946410 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0107-24 **Location:** High Vol In Hall By Lunch Rm Door Concentration (s/cc): <0.0041 **Asbestos Type(s):** None Detected

Date Sampled: 1/07/20

**Lab No.:** 6946411 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0107-25 Location: High Vol In Hall By Main Office Concentration (s/cc): <0.0041 **Date Sampled:** 1/07/20 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:58:03

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 5 of 6



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Client: SYN177 Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6946387
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-01
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

 Location: High Vol In Rm 110
 Pore Size (μm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520Structures 0.5 μm to <5.0 μm: None Detected</th>Structure Density (s/mm²): <19.2</th>Sensitivity (s/mm²): 19.2Structures ≥ 5.0 μm: None DetectedStructure Concentration (s/cc): <0.0041</td>Detection Limit (s/cc): 0.0041Structure Density (s/mm²): <19.2</td>Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc):  $\leq 0.0041$ 

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

 Lab No.: 6946388
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-02
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

**Location:** High Vol In Rm 110 **Pore Size (μm):** 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected

Structure Density (s/mm²): <19.2

Structure Concentration (s/cc): <0.0041

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): ≤19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

 Lab No.: 6946389
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-03
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

Location: High Vol In Rm 109 Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2 Structures ≥ 5.0 μm: None Detected Structure Concentration (s/cc): <0.0041

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Please refer to the Appendix of this report for further information regarding your analysis.

Signature: Laboratory Director

Dated: 1/13/2020 3:58:04 Page 1 of 13

Jhoon Jeon

Analyst:



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6946390
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-04
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

Location: High Vol In Rm 109 Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

 Opening Area (mm²): 0.013

 Area Analyzed (mm²): 0.0520
 Structures 0.5 μm to <5.0 μm: None Detected</th>
 Structure Density (s/mm²): <19.2</th>

 Sensitivity (s/mm²): 19.2
 Structure ≥ 5.0 μm: None Detected
 Structure Concentration (s/cc): <0.0041</td>

 Detection Limit (s/cc): 0.0041
 Structure Density (s/mm²): <19.2</td>
 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

Client: SYN177

 Lab No.: 6946391
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-05
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

Location: High Vol In Rm 108 Pore Size (μm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

 Opening Area (mm²): 0.013

 Area Analyzed (mm²): 0.0520
 Structures 0.5 μm to <5.0 μm: None Detected</th>
 Structure Density (s/mm²): <19.2</th>

 Sensitivity (s/mm²): 19.2
 Structure ≥ 5.0 μm: None Detected
 Structure Concentration (s/cc): <0.0041</td>

 Detection Limit (s/cc): 0.0041
 Structure Density (s/mm²): <19.2</td>
 Non-Asbestos Type(s): None Detected

Structure Density (s/mm²): <19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

Lab No.: 6946392 Volume (L): 1804.0 L Filter Type: MCE

Client No.: BRB-0107-06

Date Sampled: 1/07/20
Filter Size (mm²): 385
Location: High Vol In Rm 108
Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm<sup>2</sup>):  $\leq$ 19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): ≤0.0041

Micrograph Number: Asbestos Type(s): None Detected

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/7/2020 Approved By:

Date Received: 1/7/2020 Approved By: The Approved By: 01/07/2020

Signature:

Frank E. Ehrenfeld, II
Laboratory Director

Dated: 1/13/2020 3:58:04 Page 2 of 13

Jhoon Jeon

Analyst:



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946393 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0107-07 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Vol In Main Office 106B **Pore Size (µm):** 0.45

Asbestos Structures: None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected

> Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

**Detection Limit (s/cc):** 0.0041

Lab No.: 6946394 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0107-08 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Vol In Main Office 106B **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected **EDXA Spectrum ID:** 

Lab No.: 6946395 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0107-09 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 **Pore Size (μm):** 0.45

**Location:** High Vol In Office Beside Copy Rm 106C

**Grid Openings: 4 Asbestos Structures:** None Detected Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520

Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Frank E. Ehrenfeld, III

Laboratory Director

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: Approved By:

01/07/2020 Date Analyzed: Signature: Jhoon Jeon

Analyst:

Dated: 1/13/2020 3:58:05 Page 3 of 13



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946396 Volume (L): 1804.0 L Filter Type: MCE Date Sampled: 1/07/20 **Client No.:** BRB-0107-10 Filter Size (mm<sup>2</sup>): 385

Location: High Vol In Office Beside Copy Rm **Pore Size (µm):** 0.45

106C

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Approved By:

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:05 Page 4 of 13

Date Received:

01/07/2020 Date Analyzed:

Signature:

Jhoon Jeon Analyst:



Email: customerservice@iatl.com

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Frank E. Ehrenfeld, III

Laboratory Director

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

**EDXA Spectrum ID:** 

Dated: 1/13/2020 3:58:05

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946397 **Volume (L):** 1804.0 L **Client No.:** BRB-0107-11 **Date Sampled:** 1/07/20

Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile

Lab No.: 6946398 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0107-12 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Approved By:

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Page 5 of 13



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6946399 Filter Type: MCE Date Sampled: 1/07/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0107-13

**Pore Size (µm):** 0.45 Location: High Vol In Hall Enclosure By Rm

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6946400 **Volume (L):** 1804.0 L

**Client No.:** BRB-0107-14 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385

Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Non-Asbestos Structures: None Detected

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/7/2020

Date Analyzed:

01/08/2020

Signature:

Ben Reich Analyst:

Dated: 1/13/2020 3:58:05

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Filter Type: MCE

Structure Concentration (s/cc): <0.0041

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6946401 Filter Type: MCE Date Sampled: 1/07/20 **Client No.:** BRB-0107-15 Filter Size (mm<sup>2</sup>): 385

Pore Size (µm): 0.45 Location: High Vol In Hall Enclosure By Rm

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6946402 **Volume (L):** 1804.0 L

**Client No.:** BRB-0107-16 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures: 1** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : 1

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile

Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:05 Page 7 of 13



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6946403
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-17
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

Location: High Vol In Hall Enclosure By Rm Pore Size (µm): 0.45

108

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Detection Limit (s/cc): 0.0041

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Structure Density (s/mm²): <19.2

Structure Concentration (s/cc):  $\leq 0.0041$ 

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

 Lab No.: 6946404
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0107-18
 Date Sampled: 1/07/20
 Filter Size (mm²): 385

**Location:** High Vol In Hall Enclosure By Rm

108

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0 µm: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm²):  $\leq$ 19.2 Structure Concentration (s/cc):  $\leq$ 0.0041

Micrograph Number: Asbestos Type(s):

EDXA Spectrum ID:

Structure Density (s/mm²): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

**Pore Size (µm):** 0.45

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/7/2020

Date Analyzed: 01/08/2020

Signature:
Analyst:
Ben Reich

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:05 Page 8 of 13



Client: SYN177

**EDXA Spectrum ID:** 

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6946405 Filter Type: MCE Date Sampled: 1/07/20 **Client No.:** BRB-0107-19 Filter Size (mm<sup>2</sup>): 385

Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : 1 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 **Structure Concentration (s/cc):** 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile

Lab No.: 6946406 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0107-20 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall Enclosure By Rm **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Date Analyzed:

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received:

Signature: Ben Reich Analyst:

01/08/2020

Dated: 1/13/2020 3:58:05 Page 9 of 13 Approved By:

Non-Asbestos Type(s): None Detected

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

**Grid Openings: 4** 

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946407 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0107-21 **Location:** High Vol In Hall By Rooms 108-109 **Pore Size (µm):** 0.45

**Asbestos Structures:** None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected **EDXA Spectrum ID:** 

Lab No.: 6946408 **Volume (L):** 1804.0 L

**Client No.:** BRB-0107-22 **Date Sampled:** 1/07/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall By Woman's Staff

Asbestos Structures: None Detected

Bathroom

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Filter Type: MCE

**Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Approved By:

Page 10 of 13

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:05



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6946409 **Date Sampled:** 1/07/20 **Client No.:** BRB-0107-23

Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall By Lunch Rm Door Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Structures  $\geq 5.0 \mu m$ : 1 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2

**Structure Concentration (s/cc):** 0.0041

**Asbestos Type(s):**Chrysotile

Micrograph Number: **EDXA Spectrum ID:** 

**Lab No.:** 6946410 **Volume (L):** 1804.0 L **Client No.:** BRB-0107-24 **Date Sampled:** 1/07/20

Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Hall By Lunch Rm Door Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

Dated: 1/13/2020 3:58:05

1/7/2020

01/08/2020 Date Analyzed:

**Detection Limit (s/cc):** 0.0041

**EDXA Spectrum ID:** 

Signature:

Ben Reich Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 11 of 13



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/7/2020

228 Moore Street Report No.: 607361 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Lab No.:** 6946411

**Client No.:** BRB-0107-25

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

**Volume (L):** 1804.0 L Date Sampled: 1/07/20

Location: High Vol In Hall By Main Office

Asbestos Structures: None Detected

Structures 0.5 μm to <5.0 μm: None Detected

Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/7/2020

Date Analyzed:

Dated: 1/13/2020 3:58:05

01/08/2020

Signature:

Analyst:

Ben Reich

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

228 Moore Street • Philadelphia, Pennsylvania 19148

Phone 215-755-2305 • Fax 215-755-2405 www.gosynertech.com

ELementarDate: 1-7-20

Project Number:

Laboratory: エATL Analysis: TEW

Phila. Requirements: Y YES NO

Rotometer No.: HVR\_\_\_\_LVR\_

、 **SAIR SAMPLE LOG & CHAIN OF CUSTODY** Do not analyte SAMPLES TIME **CALIBRATION ANALYTICAL** No. Location Laboratory # Code Off Total Start Finish Liters Results Fibers/Fields floor maine 2:51 3A 01 1800 ATS-180 9 Cross 10 10 PW 6048447 PW loov mainy 1800 180 acrass 10 694-44° 07 103 Muse 3A 180 01 ATS advass /0 1800 07 MCALAN 01 3A 180 800 5948450 10 07 MOUNT 1800 01 186 10 10 5945451 PW PW t 06 9 , 4045 07 694545 Turnaround Time (TAT): Immediate 6 Hour 24 Hour 48 Hour Other

Sam	nlina	Codes
Vaill	Dillia	Coucs

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area
- **Environmental Work Area**
- Personnel Clean Area **Environmental Clean Area**
- A Aggressive
- Normal
- Excursion
- TWA
- R Representative

Hour TAT Contact:	RYON	HUTZEL	
Samples Collected By:	on civity	At all	
ransmitted to Lab By		Lewel	
Received in Lab By:	M AO		
Samples Analyzed By:		<i>[</i> ]	

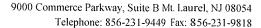
Date: Date:

Date:

Date:

at: C-U SYNEr techicon

6



607365

McClure Elementary

010-4541



Synertech Inc.

228 Moore Street

Philadelphia, PA

19148

Client:

## PRELIMINARY RESULTS Airborne Asbestos Analysis **TEM AHERA**

Batch No .:

Project No.:

Project:

Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around T	ime:	Rush
Client Contac	ts:		Laborator	y Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfe	ld III	
Phone:			Phone:	(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@	iatl.com	
Chain of Cust						
Samples Taken in	-		Date:		Time:	
Samples Rec'd at	· ·	S. Glanville		1/7/2020	Time:	
Samples Analyze Preliminary Resu	-	C. Liska	Date:	1/8/2020	Time:	
Preliminary Rest	-		Date:		Time:	
Tremmary Rest	ints E-ivian:		Date:		Time:	
			Summary Data			
		Tran	smission Electron Microsco	ру		
			AHERA 40CFR 763			
Client	IATL	Volume			Results	Results
Sample ID#	Sample ID#	(L)	Comments		s/mm²	s/cc
ATS0107-01	6946447	1800	Amosite		19.2	0.0041
ATS0107-02	6946448	1800	Chrysotile		19.2	0.0041
ATS0107-03	6946449	1800	Chrysotile		19.2	0.0041
ATS0107-04	6946450	1800	None Detecte		< 19.2	< 0.0041
ATS0107-05	6946451	1800	None Detecte	ed	< 19.2	< 0.0041
-						
	Criteria is 70 s/mm	• • •	erage (s/mm²) = 19.2	7	Grid Box	#: 1832
Phila. Regulations	Clearance Criteria	is 0.00554 s/cc	Geo = 0.0041			
Z Test Reults (see	attached, if applical	ole)			Instrument (1,	II, III <b>I</b>



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/8/2020

228 Moore Street Report No.: 607365 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6946447 **Volume:** 1800.0 L **Density (s/mm²):** 19.2

Client No.: ATS-0107-01 Location: 1st Floor Main Hallway Across From Concentration (s/cc): 0.0041

104 Asbestos Type(s): Amosite

Date Sampled: 1/7/20

Date Sampled: 1///20

Lab No.: 6946448 Volume: 1800.0 L Density (s/mm²): 19.2 Client No.: ATS-0107-02 Location: 1st Floor Main Hallway Across From Concentration (s/cc): 0.0041

103 **Concentration (s/cc):** 0.0041

Date Sampled: 1/7/20

Lab No.: 6946449 Volume: 1800.0 L Density (s/mm²): 19.2 Client No.: ATS-0107-03 Location: 1st Floor Main Hallway Across From Concentration (s/cc): 0.004

ient No.: ATS-0107-03 Location: 1st Floor Main Hallway Across From 102 Concentration (s/cc): 0.0041 Asbestos Type(s): Chrysotile

Date Sampled: 1/7/20

 Lab No.: 6946450
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: ATS-0107-04
 Location: 1st Floor Main Hallway Decon
 Concentration (s/cc): <0.0041</td>

Date Sampled: 1/7/20

Asbestos Type(s): None Detected

**Lab No.:** 6946451 **Volume:** 1800.0 L **Density (s/mm²):** <19.2

Client No.: ATS-0107-05 Location: 1st Floor Main Hallway Near Main Concentration (s/cc): <0.0041

Office Asbestos Type(s): None Detected

**Date Sampled:** 1/7/20 Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/7/2020

Date Analyzed: 01/08/2020

Signature:
Analyst: Craig Liska

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:13 Page 1 of 2



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 1/8/2020

228 Moore Street Report No.: 607365 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Project No.: 010-4541

Client: SYN177

## Appendix to Analytical Report:

Customer Contact: Jacqueline McMahon Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

#### **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

Dated: 1/13/2020 3:58:13 Page 2 of 2



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/8/2020

228 Moore Street Report No.: 607365 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 010-4541

> > Filter Type: MCE

Filter Type: MCE

Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946447 Volume (L): 1800.0 L **Client No.:** ATS-0107-01 **Date Sampled:** 1/7/20

Filter Size (mm<sup>2</sup>): 385 Location: 1st Floor Main Hallway Across From Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures: 1** 

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : 1 Structure Concentration (s/cc): <0.0041

> Structure Density (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.0041

Micrograph Number: DP 5747 **Asbestos Type(s):** Amosite

**EDXA Spectrum ID:** 

**Detection Limit (s/cc):** 0.0041

Opening Area (mm<sup>2</sup>): 0.013

**EDXA Spectrum ID:** 

Lab No.: 6946448 Volume (L): 1800.0 L **Client No.:** ATS-0107-02 **Date Sampled:** 1/7/20

Filter Size (mm<sup>2</sup>): 385 Location: 1st Floor Main Hallway Across From Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures: 1** 

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected **Detection Limit (s/cc):** 0.0041

Structure Density (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile Micrograph Number: DP 5748

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:14 Page 1 of 4 Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/8/2020

228 Moore Street Report No.: 607365 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946449 Volume (L): 1800.0 L Filter Type: MCE **Date Sampled:** 1/7/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-0107-03

Location: 1st Floor Main Hallway Across From Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: 1

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structure Density (s/mm<sup>2</sup>): 19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): 0.0041 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 Non-Asbestos Type(s): CaS - Gypsum

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile **EDXA Spectrum ID:** 

Lab No.: 6946450 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0107-04 **Date Sampled:** 1/7/20 Filter Size (mm<sup>2</sup>): 385

Location: 1st Floor Main Hallway Decon **Pore Size (µm):** 0.45

Asbestos Structures: None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected **Detection Limit (s/cc):** 0.0041

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:14 Page 2 of 4



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/8/2020

228 Moore Street Report No.: 607365 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 010-4541

Client: SYN177

**Grid Openings: 4** 

Micrograph Number: **EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6946451 Volume (L): 1800.0 L Filter Type: MCE **Date Sampled:** 1/7/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-0107-05

Location: 1st Floor Main Hallway Near Main **Pore Size (µm):** 0.45

Office

Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/7/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:14

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 3 of 4

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**Sampling Codes** 

Diagnostic
Preliminary
Clearance/Final
Personnel Work Area
Environmental Work Area
Personnel Clean Area
Environmental Clean Area

A Aggressive
N Normal
E Excursion
T TWA
R Representative

Project: MCLUME E.S. Date:	1.8.2020
	meter No.: HVR <u>/89</u> LVR
Laboratory: Tattl Analysis: TEst Phila.	. Requirements: ☑ YES ☐ NO

	AIR SAMPLE LOG & CHAIN OF CUSTODY										
	SAMPLES		TIME			С	ALIBRA	<b>TION</b>	ANALYTI	CAL	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
MJ -0/08 -0/	AINA WA JU PARSIAL ST CRETISCIE ENTRALE VENEU ENRIGADA	3-A	95LA15	1256A	180	10.00	10.02	1824	6947119		
blh -0108 -02	HULL WE ENTRANCE ST LEVEL ENCENSULE.	3-A.	956AI	125GM	180	10.02	1002	1804	6947120		
418 0108 03	HILL WE IN PRABANCES VESTILINE ENTRAVER LEVEL ENCUSSIBLE.	34	95 LAY	1286/91	180	10.00	1002	1804	694/121		
EUB -0108 -04	AND WE WE FRESHAUL ST CESTIGUE ENGLINE. LEVEL ENCURVED.	3-A	957A15	125748	180	10.02	10.02	1804	6947132	-	
NB -0108 05	HANDELLA TARRAMENTALE VESTAVIE GUTLAVIE CELEU ENCUNDAS.	3A	957413	1257/15	180	10.00	1000	1804	6947123		
UB -0108-06	FIELD ALMOX	1	/	/	1	/	/	/	1947124		
us -0108-07	Figur KINK	/	1	/	/	/	1	/	3947125		
Ma 2108 -08	SEALEN ALWE	/	1	1.	/	/	/	/	5947120		

Turnaround Time (TAT): 🔲 Imme	ediate,	Hour 🗌 48 Hour 🗌 Other
6 Hour TAT Contact:	market 1/2 and a market and a m	
Samples Collected By:		Date: 1-8-20
Transmitted to Lab By:		2020 Date: 1.8.20
Received in Lab By:	JAM CI	) C <sup>UI</sup> Date:
Samples Analyzed By:		_(
OA: Kongen 1/9/20		My

		A				V			) (	J	ſ		6	ſ	ł	•	7	C				In	IC.
F	N	v	ı	R	n	N	М	F	N	т	٨	1		r	n	N	ς.	11	1	т	1	M	6

Project: HELLE E.S.		Date: /-8-2-28)
Project Number: 010-454	19	Rotometer No.: HVR/g/ LVR
Laboratory: TITL	Analysis: TEH	Phila. Requirements: YES NO

AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES	With Assistance	TIME				ALIBRA	ΓΙΟΝ	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
eus our -og	MAGNAN ST STAUS	3-A	1000A3	1008	180	10.02	10.02	1804	(,947127	
UB -0128 -10	HAH WE W 15T AUS 2US LEVEL ENCLOSING FOR MALSHAU ST STAILS	3-4	1000AK	100 PS	180	10.02	10.02	1804	6947128	
ad -0108 -11	HILL WE IN 1ST AND ZUN LEVEL ENCLOSINE FOR HALLHAU ST STANK.	14	1000 14	100Ps	180	10.00	10.02	1804	3047129	•
BAB 0108 -12	HUN VOI IN 15T MIN ZUN LEWEL ENCLOSING FOR MUSHUN ST STAMS	3-1	100 IAS	10 PAPS	180	10.02	10.02	1804	G947130	
MS -0108-13	HARLER A ST SUS DUS TORK ENCLOSINE FOR MAGGAN ST STANG	3:A	IDOIAL	10111	180	10.02	10.02	18H	0947131	
WS -0188-14	HALL UN IN JUN ALD JUD USUR ELLESSAG FOR MUSHAU ST STAK	3A	100411	141/15	180	10.02	10.02	184	1,9 <b>3</b> 7435	
M -0108-15	HIER LOU IN TWO ALLO THE LEVEL ENCUSIONE FOR MUSHING ST STANS	34	100741,	INAK	180	10.00	10.02	1804	6947123	
W -0109-16	HARAUL W ZUN AUN ZUN LEURU EURUSALA FOR HARAAU ST STAND	3-1	10014	JOYA	184	10.02	10.02	1804	5947194	

	Sami	olina	Codes
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1	Diagnostic	•
2	Preliminary	
3	Clearance/Final	

Α	Aggressive
N	Normal
Ε	Excursion

Ī	TWA
R	Representativ

R	Representative
	1 topi cocinali ve

<u> </u>			<u> </u>	<u> </u>		<u> </u>		
Turnaro	und Time	(TAT): [	] Immed	iate ☑ 6	Hour 🔲	24 Hour 🔲	48 Hour 🗌 Other	
6 Hour TA	Γ Contact: _						at:	
Samples C	collected By	: And	recy /				Date: 1.8-20	
Transmitte	d to Lab By	Bril	den	· victorial	/		Date: <u>/ · 8 · 2 / · </u>	
Received in					12 %		Date:	
Samples A	nalyzed By:	33	1/8/20		7/1/0		Date: 1/9/20	
- 4		1 1	100		$\bigcup V$			•

Personnel Work Area
Environmental Work Area
Personnel Clean Area
Environmental Clean Area

	Á		6			À			)(		٢	1	e	ſ		<b>"</b> (	7	C			1	ir	IC.	
E	N	٧	i	R	0	N	M	E	N	T	A	Ĺ		C	0	N	S	U	Ł	T	ı	N	G	
	22	8	Иc	or	e S	tre	et	•	Pł	nila	de	ılo	hia	. F	er	ากร	sv!	var	nia	1	91	48		

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Project: Mcaure E.S.	>.		Date: <u>/-8 -2020</u>
Project Number: 010-45	41		Rotometer No.: HVR /gg LVR
Laboratory: Table	Analysis:	TEM	Phila. Requirements: TYFS T NO

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME		T C	ALIBRA	TION	ANALYTI	# Results		
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results		
les -0108 -17	LEVEL LUCIUSINE FOR MALSANUST STANS	3-4	1005AB	105 PB	180	10.02	10.02	1804	694713~			
US 0108 -18	AND WE WELL FOR	371	1005 AM	155 AS	180	10.02	10.02	1804				
LUB -0108 -19	sele of MEHAL ST STAILS.	3-2	1007AK	107A	180	10.02	10.02	1804	6947136 6947137			
Ang 2010 -20	MAN UN ON ENTERNIE LEWEL OF FINLSHILL ST STAILS.	3-1	1007As	100 M	180	10.00	10.02	1804	6947138	·		
MB 5108 -V)	MEN COL ON 15T Flood IN MANSHAUL ST STAIKS	3.~	100841,	108Ph	180	10.02	10.02	1804	6947139			
US -0108 -W	STAPLEN RETURNS	3-N	pod Br	108/3	180	10.02	10.00	1804	6947140			
144 -0108 -23	HAN WA W GAMBHAU ST STANLWELL RETURN ZUN ALN ZUN LANK,	3 VL	100941,	109 PS	180	10.00	10:02	1804	6947141			

Sampling Codes	San	nplin	g Co	des
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1	Diagnostic	;

Preliminary

Clearance/Final

Personnel Work Area

**Environmental Work Area** 

Personnel Clean Area

Environmental Clean Area

~~		
Α	Agg	ressive

N Normal
E Excursion
T TWA
R Representative

	•	•		_	
6 Hour TAT Contact:					
Samples Collected By:	4	_	Sen		

Samples Analyzed By:\_

Turnaround Time (TAT): ☐ Immediate ☑ 6	Hour
6 Hour TAT Contact:	at:
Samples Collected By:	Date: 1-8-2010
Transmitted to Lab By:	Date: 1-8-2026
Received in Lab By:	Date:
Computer Amelian of Divi	d W

		Z	À							J	ſ	1	e	1	·Ť	'€	2	C		-		ir	IC.	
E	N	V	1	R	0	N	M	F	N	т	Δ	1		r	n	М	5	11	1	T	1	ht		

**Sampling Codes** 

1 Diagnostic
2 Preliminary
3 Clearance/Final
4 Personnel Work Area
5 Environmental Work Area
6 Personnel Clean Area
7 Environmental Clean Area

Project: MENUNES		Date:
Project Number:	541	Rotometer No.: HVR/89 LVR
Laboratory:	Analysis: TEH	Phila. Requirements:   YES   NO
AID CAMPIELOGO	AIN OF OUGTORY	GEO MEAN

	.gosynerican.com	AIR SAN	IPLE LO	OG & CH	IAIN OF	CUSTO	ΣY	6EC	MEAN	
	SAMPLES			TIME			CALIBRA	TION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
su -ora -24	BETWEEN 15T AUS 2000 LEWELS.	3-A	113Ps	413An	180	10.02	10.02	1804	6947142	
ALL -0108-25	HANGE IN ETT ST STAUS BETWEEN 15T MIS 240 LELECTS	3:A	113As	413PS	180	10.02	10.00	1864	6947143	
NA -0108-26	BETWEEN 15T AUD 24D LEVELS.	3%	/13/AS	41341	180	10.00	10.42	1804	694714	
US -0158-37)	MAN WE IN LITH ST STAINS LETWERN 15T AND 2007 VENEUS.	3:4	114195	414/3	180	10.02	10.02	1801	6947145	•
MA -0108-28	HUN WILL WETH ST STAILS SETWERN 15T MS 2MS LEVELS.	3-1	114/1	41414	180	10.02	10.02	1804	6947146	
US -0108 7g	STAULEU STAULEU STELLS	3-N	116/1.	41688	180	10.02	10.02	1804	6947147	
W1 -0108 -30	STARWELL OUTSLOSS	3-2	116AB	416A,	180	10.02	1000	1804	6947148	
RAR -0108 -3)	STAILLELL  STAILLELL  STAILLELL	3.N	1144	4,41	180	1002	10.00	1804	6947149	

TSUSES						<b> </b> .			
WETH FUND WESTES	3.N	1144	4141	180	1002	10.00	1804	6947149	
A Aggressive Normal E Excursion T TWA R Representative	6 Hour TA Samples ( Transmitte Received	T Contact: Collected By ed to Lab By in Lab By: Analyzed By	i: Azak	eng sont	liate <b>16</b> 6	By	·	48 Hour Other at:  Date: 1.8.2020  Date: 1.8.2020  Date: Date: 1/9/20	



A Aggressive

Normal
Excursion
TWA
Representative

1 Diagnostic

2 Preliminary
3 Clearance/Final
4 Personnel Work Area
5 Environmental Work A

Environmental Work Area 6 Personnel Clean Area 7 Environmental Clean Area

Project: Muser E	5	Date: <u>/-8-2620</u>
Project Number:	4541	Rotometer No.: HVR <u>/89</u> LVR
Laboratory: ZATL	Analysis:	Phila. Requirements: 🛭 YES 🗌 NO
		GEO MEAN

SAMPLES			TIME			CALIBRATION			ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
us 6168 -32	SIMULU WETH START STARLEU OUTSIDES	3-N	MEIL	417/3	180	1002	10.02	1804	6947150	
M -0108 -33	STAMUSUL OUTSATS	3-~	112145	わる	180	10.00	10.02	1804	6947151	
								×		
- · ·		-					·			
-										
									·	
-										

								1
			•					
Turnaro	und Time	(TAT): [	] Immed	iate ☑ 6	Hour 🔲 :	24 Hour 🔲 4	48 Hour ☐ Other _	
6 Hour TAT	Γ Contact: _					· a	nt:	
Samples C	ollected By	<u> </u>	Sern-		•		Date: 1.8.2020	
Transmitte	d to Lab By	And	my_				Date: 1.8.2020	
Received in	n Lab By:			<u> </u>			Date:	
Samples A	nalyzed By:	-					Date: <u>//9/25</u>	
	(	DA: K	myel	1191	20		, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•

B	5	yn	ert	ec	<b>h</b> Inc.
	44 5				

Project: MCURE E.S.			Date:
Project Number: 010-459		-	Rotometer No.: HVR/89 LVR
Laboratory: Toll	Analysis:	ブデム	ূ

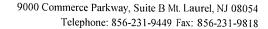
#### AIR SAMPLE LOG & CHAIN OF CUSTODY

SAMPLES				TIME			ALIBRA	TION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
bUS -crist - 34	MAN COLIN CTHST STANS LESTILLE ENTERCE LAST SUK	3:1	119 <i>1</i> 45	4.918	180	10.52	10.02	1804	6947152	
141 -0108 -35	NICH WOLL WETH ST STAILS VESTIGUEL ENTRAVEL. LAGST SAKE	34	11913	419,84	180	1000	10.02	1841	6947153	
SUS -0108 -3L	HIGH USE IN GITH ST STAYAS LESTALLE ENTRANCE LIGHT SUSES	37	ヘラグと	MIGAS	180	1000	10.02	1804	694715	·
NUS -0108 -37	HER UN IN LITH ST STAINS EXSTINITE ENTHALE LUST ENSE	3%	1201	420AS	180	10.02	10.00	1824	6947155	`
NN -0108 -38	NHI LOS IN GTA ST STAUS USSTIRULE ENTHANCE CHAT SINES	3×1	12 <i>0</i> AJ	420A1	180	10.02	10.00	1804	6947156	
<b>-</b> -										

Sam	pling	Codes

- Diagnostic
- Preliminary
- Clearance/Final
- Personnel Work Area
- Environmental Work Area
- 6 Personnel Clean Area 7 Environmental Clean Area
- A Aggressive
- Normal
- Norma E Excurs T TWA Excursion
- Representative

Γurnaround Time (TAT): 🔲 Immediate 📈 6 Hour 🔲 24	Hour 🗌 48 Hour 🔲 Other
6 Hour TAT Contact:	at:
Samples Collected By: And Aury	Date: /. 8 · 2020
Transmitted to Lab By: See Succession	Date: / 8 2020
Received in Lab By:	Date:
Samples Analyzed By:	Date: /. P/ 2>

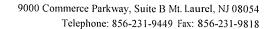




			TEM AHERA			
Client:	Synertech Inc.			Batch No.:		607430
	228 Moore Str	eet		Project:	McClur	re Elementary
	Philadelphia, I	PA 19148		Project No.:		0-4541
Client No.:	SYN177			Philly Regs:	Y	V 12.11
				Turn-Around Ti		Rush
Client Contac	ts:		Laboratory			
Contacts:			Contacts:	Frank E. Ehrenfel	ld III	
Phone:			Phone:	(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@i	atl.com	
Chain of Cust	a day,					
Samples Taken i	<del></del>			4.1		
Samples Pakerri Samples Rec'd at		I D'Oall	Date:	1/0/0000	Time:	
Samples Analyze	=	L. D'Ornella		1/8/2020	Time:	
Preliminary Resu		C. Liska	Date:	1/8/2020	Time:	
			Date:		Time:	
	ALC D Mail.			***************************************		
Premimary Rest	ılts E-Mail:		Date:		Time:	
	ılts E-Mail:	Tran	Date:  Summary Data  nsmission Electron Microsco  AHERA 40CFR 763	ру	Time:	
Client	ılts E-Mail:	Tran	Summary Data	ру	Time:	Results

IATL	Volume		Results	Results
Sample ID#	(L)	Comments	s/mm²	s/cc
6947119	1804	Chrysotile	19.2	0.0041
6947120	1804	None Detected		< 0.0041
6947121	1804	None Detected	< 19.2	< 0.0041
6947122	1804	None Detected	< 19.2	< 0.0041
6947123	1804	None Detected	< 19.2	< 0.0041
	****			
	Sample ID # 6947119 6947120 6947121 6947122	Sample ID # (L) 6947119 1804 6947120 1804 6947121 1804 6947122 1804	Sample ID #         (L)         Comments           6947119         1804         Chrysotile           6947120         1804         None Detected           6947121         1804         None Detected           6947122         1804         None Detected	Sample 1D #         (L)         s/mm²           6947119         1804         Chrysotile         19.2           6947120         1804         None Detected         < 19.2

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> . Avo	verage (s/mm²) =	19.2	Grid Box #:	1823
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	-	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I



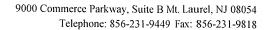


Client:	Synertech Inc.			Batch No.:	607430	
	228 Moore Stree	et		Project:	McClure Elementary	
	Philadelphia, PA	A 19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Time:	6 Hour Rush	
Client Contac	ts:		Laboratory	y Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfeld III		
Phone:			Phone:	(856) 231-9449		
Fax:	ax:		Fax:	(856) 231-9818		
Cell/Pager:	Cell/Pager:		Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@iatl.com		
Chain of Cust	odv:					
Samples Taken is		Client	Date:	1/8/2020	Time:	
Samples Rec'd at	t Laboratory:	S. Glanville	Date:	1/8/2020	Time:	
Samples Analyze	ed:	J. Jeon	Date:	1/8/2020	Time:	
Preliminary Resu	ılts Faxed:		Date:		Time:	
Preliminary Resu	ılts E-Mail:		Date:		Time:	
		Sur	nmary Data			
		Transmission	Electron Microsco	ру		

## AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0108-09	6947127	1804	None Detected	< 19.2	< 0.0041
BRB-0108-10	6947128	1804	None Detected	< 19.2	< 0.0041
BRB-0108-11	6947129	1804	None Detected	< 19.2	< 0.0041
BRB-0108-12	6947130	1804	None Detected	< 19.2	< 0.0041
BRB-0108-13	6947131	1804	None Detected	< 19.2	< 0.0041
		·			

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1831
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш

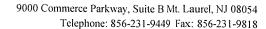




					www.mad	
Client:	Synertech Inc.			Batch No.:	607430	
	228 Moore Stree	et		Project:	McClure ES	
	Philadelphia, PA	19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Tin	ne: 6 Hour Rush	
Client Contac	ts:		Laboratory	Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfeld	III	
Phone:	Phone:			(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:	Cell/Pager:			(609) 929-4211		
E-Mail:			Cell/Pager: E-Mail:	frankehrenfeld@iatl.com		
Chain of Cust	odv:					
Samples Taken in			Date:		Time:	
Samples Rec'd at		S. Glanville	Date:	1/8/2020	Time:	
Samples Analyze	ed:	B. Reich	Date:	1/9/2020	Time:	
Preliminary Resu	ılts Faxed:		Date:		Time:	
Preliminary Resu	ılts E-Mail:		Date:		Time:	
		Transmission	nmary Data Electron Microsco AA 40CFR 763	ру		

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID#	(L)	Comments	s/mm²	s/cc
0108-14	6947132	1804	None Detected	< 19.2	< 0.0041
15	6947133	1804	None Detected	< 19.2	< 0.0041
16	6947134	1804	None Detected	< 19.2	< 0.0041
17	6947135	1804	None Detected	< 19.2	< 0.0041
18	6947136	1804	None Detected	< 19.2	< 0.0041
		****			
<u> </u>					

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1832
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I



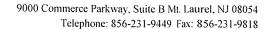


Client:	Synertech Inc.			Batch No.:	607430
	228 Moore Stre	eet		Project:	McClure ES
	Philadelphia, P	A 19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Tin	ne: 6 Hour Rush
Client Contact	ts:		Laboratory	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld	III
Phone:			Phone:	(856) 231-9449	The second secon
Fax:	· · · · · · · · · · · · · · · · · · ·		Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iat	l.com
Chain of Custo	ody:				
Samples Taken in	n Field:		Date:		Time:
Samples Rec'd at	Laboratory:	S. Glanville	Date:	1/8/2020	Time:
Samples Analyze	ed:	B. Reich	Date:	1/9/2020	Time:
Preliminary Resu	ılts Faxed:		Date:		Time:
Preliminary Resu	ılts E-Mail:		Date:		Time:
			nmary Data		

## Transmission Electron Microscopy **AHERA 40CFR 763**

Client	IATL	Volume		Results	Results
Sample ID#	Sample ID#	(L)	Comments	s/mm²	s/cc
0108-19	6947137	1804	None Detected	< 19.2	< 0.0041
20	6947138	1804	None Detected	< 19.2	< 0.0041
21	6947139	1804	None Detected	< 19.2	< 0.0041
22	6947140	1804	None Detected	< 19.2	< 0.0041
23	6947141	1804	None Detected	< 19.2	< 0.0041

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1832
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I



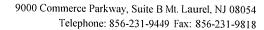


Client:	Synertech Inc.			Batch No.:	607430
	228 Moore Stre	et		Project:	McClure ES
	Philadelphia, Pa	A 19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time	: 6 Hour Rush
Client Contac	cts:		Laboratory	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld II	I
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iatl.c	<u>com</u>
Chain of Cust	tody:				
Samples Taken	in Field:		Date:		Time:
Samples Rec'd a	nt Laboratory:	S. Glanville	Date:	1/8/2020	Time:
Samples Analyz		B. Reich	Date:	1/9/2020	Time:
Preliminary Res	***		Date:		Time:
Preliminary Res	ults E-Mail:		Date:		Time:
		Sun	ımary Data		

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
0108-24	6947142	1804	None Detected	< 19.2	< 0.0041
25	6947143	1804	None Detected	< 19.2	< 0.0041
26	6947144	1804	None Detected	< 19.2	< 0.0041
27	6947145	1804	None Detected	< 19.2	< 0.0041
28	6947146	1804	None Detected	< 19.2	< 0.0041
<u> </u>					· · · · · · · · · · · · · · · · · · ·

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1832
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I

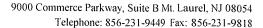




Client:	Synertech Inc.			Batch No.:	607430
	228 Moore Street			Project:	McClure Elementary
	Philadelphia, PA	19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Tim	ne: Rush
Client Contact	ts:		Laboratory	Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld	III
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iat	l.com
Chain of Custo	o data				
Samples Taken in		T. DIG. 14	Date:		Time:
Samples Rec'd at	· · · · · · · · · · · · · · · · · · ·	L. D'Ornellas	Date:	1/8/2020	Time:
Samples Analyze	·	C. Liska	Date:	1/9/2020	Time:
Preliminary Resu			Date:		Time:
Preliminary Resu	lts E-Mail:		Date:		Time:
		Transmission E	nary Data Electron Microsco <sub>l</sub> A 40CFR 763	ру	

Client	IATL	Volume	C	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
0108-29	6947147	1804	None Detected	< 19.2	< 0.0041
0108-30	6947148	1804	None Detected	< 19.2	< 0.0041
0108-31	6947149	1804	None Detected	< 19.2	< 0.0041
0108-32	6947150	1804	Chrysotile	19.2	0.0041
0108-33	6947151	1804	None Detected	< 19.2	< 0.0041
		·			
		·			

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1831
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	<del></del>	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I





Client:	Synertech Inc.			Batch No.:	607430	
	228 Moore Stre	eet		Project:	McClure Elementary	
	Philadelphia, P	A 19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Υ	
				Turn-Around Time:	Rush	
Client Contac	ts:		Laboratory	y Contacts:		
Contacts:			Contacts:	Frank E. Ehrenfeld II	I	
Phone:			Phone:	(856) 231-9449		
Fax:			Fax:	(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@iatl.c	<u>com</u>	
Chain of Cust	ody:					
Samples Taken i	n Field:		Date:		Time:	
Samples Rec'd at	t Laboratory:	S. Glanville	Date:	1/8/2020	Time:	
Samples Analyze		C. Liska	Date:	1/9/2020	Time:	
Preliminary Resu			Date:		Time:	
Preliminary Resu	ılts E-Mail:		Date:		Time:	
		Sun	ımary Data			

## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client Sample ID #	IATL Sample ID#	Volume (L)	Comments	Results s/mm²	Results s/cc
0108-34	6947152	1804	None Detected	< 19.2	< 0.0041
0108-35	6947153	1804	Chrysotile	19.2	0.0041
0108-36	6947154	1804	None Detected	< 19.2	< 0.0041
0108-37	6947155	1804	None Detected	< 19.2	< 0.0041
0108-38	6947156	1804	Chrysotile	19.2	0.0041

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1835
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	I



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947119 **Volume:** 1804.0 L

**Density (s/mm²):** 19.2 Location: High Volumn Marshall St Vestibule Concentration (s/cc): 0.0041 **Client No.:** BRB-0108-01

Entrance Level Enclosure

Asbestos Type(s):Chrysotile Date Sampled: 1/8/20

**Lab No.:** 6947120 **Volume:** 1804.0 L

**Client No.:** BRB-0108-02 **Location:** High Volumn Marshall St Vestibule Concentration (s/cc): <0.0041

Entrance Level Enclosure Asbestos Type(s): None Detected Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2

Lab No.: 6947121 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0108-03 Location: High Volumn Marshall St Vestibule Concentration (s/cc): <0.0041

Entrance Level Enclosure Asbestos Type(s): None Detected Date Sampled: 1/8/20

Lab No.: 6947122 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: High Volumn Marshall St Vestibule **Client No.:** BRB-0108-04 Concentration (s/cc): <0.0041

Entrance Level Enclosure **Asbestos Type(s):** None Detected Date Sampled: 1/8/20

Lab No.: 6947123 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 Location: High Volumn Marshall St Vestibule **Client No.:** BRB-0108-05 Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Entrance Level Enclosure

Date Sampled: 1/8/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:21 Page 1 of 8 Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6947127

**Volume:** 1804.0 L **Client No.:** BRB-0108-09

**Location:** High Volume In 1st And 2nd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

**Lab No.:** 6947128

**Volume:** 1804.0 L

**Client No.:** BRB-0108-10 **Location:** High Volume In 1st And 2nd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Lab No.: 6947129

**Volume:** 1804.0 L **Client No.:** BRB-0108-11

**Location:** High Volume In 1st And 2nd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2

Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

**Lab No.:** 6947130

**Volume:** 1804.0 L **Client No.:** BRB-0108-12

**Location:** High Volume In 1st And 2nd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2

Concentration (s/cc): <0.0041 **Asbestos Type(s):** None Detected

**Lab No.:** 6947131

**Volume:** 1804.0 L **Client No.:** BRB-0108-13

**Location:** High Volume In 1st And 2nd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/8/2020

Date Analyzed:

01/08/2020

Signature:

Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:21

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 2 of 8



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947132 **Volume:** 1804.0 L

**Location:** High Volume In 2nd And 3rd Level **Client No.:** BRB-0108-14

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

**Lab No.:** 6947133 **Volume:** 1804.0 L

**Client No.:** BRB-0108-15 **Location:** High Volume In 2nd And 3rd Level

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041

**Asbestos Type(s):** None Detected

Lab No.: 6947134 **Volume:** 1804.0 L

**Location:** High Volume In 2nd And 3rd Level **Client No.:** BRB-0108-16

Enclosure For Marshall St Stairs

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947135 **Volume:** 1804.0 L

**Location:** High Volume In 2nd And 3rd Level **Client No.:** BRB-0108-17

Enclosure For Marshall St Stairs

Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041

**Asbestos Type(s):**None Detected

**Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2

**Location:** High Volume In 2nd And 3rd Level

Enclosure For Marshall St Stairs

**Date Sampled:** 1/8/20

Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

**Lab No.:** 6947137 **Volume:** 1804.0 L

**Location:** High Volume On Entrance Level Of **Concentration (s/cc):** <0.0041 **Client No.:** BRB-0108-19

Marshall St Stairs

**Density (s/mm<sup>2</sup>):** <19.2 Asbestos Type(s): None Detected

**Date Sampled:** 1/8/20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

**Lab No.:** 6947136

**Client No.:** BRB-0108-18

1/8/2020

Date Analyzed:

01/09/2020

Signature:

Ben Reich Analyst:

Dated: 1/13/2020 3:58:21

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

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Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947138 **Volume:** 1804.0 L

**Client No.:** BRB-0108-20 **Location:** High Volume On Entrance Level Of **Concentration (s/cc):** <0.0041

Marshall St Stairs Date Sampled: 1/8/20

**Density (s/mm<sup>2</sup>):** <19.2 Asbestos Type(s): None Detected

**Density (s/mm<sup>2</sup>):** <19.2

**Lab No.:** 6947139 **Volume:** 1804.0 L

**Client No.:** BRB-0108-21 Concentration (s/cc): <0.0041 **Location:** High Volume On 1st Floor In

Marshall St Stairs **Asbestos Type(s):** None Detected Date Sampled: 1/8/20

Lab No.: 6947140 **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0108-22 Location: High Volume In Marshall St Stairwell Concentration (s/cc): <0.0041

Between 1st And 2nd Level **Asbestos Type(s):** None Detected Date Sampled: 1/8/20

**Lab No.:** 6947141 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0108-23 Location: High Volume In Marshall St Stairwell Concentration (s/cc): <0.0041

Between 2nd And 3nd Level **Asbestos Type(s):** None Detected

**Date Sampled:** 1/8/20

Geometric Mean = 0.0041 Structures/cc

**Lab No.:** 6947142 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: High Volume In 6th St Stairs Between Concentration (s/cc): <0.0041 **Client No.:** BRB-0108-24

1st And 2nd Levels Asbestos Type(s): None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947143 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: High Volume In 6th St Stairs Between Concentration (s/cc): <0.0041 **Client No.:** BRB-0108-25

1st And 2nd Levels **Date Sampled:** 1/8/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: Approved By:

01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Frank E. Ehrenfeld, III

Asbestos Type(s): None Detected

Laboratory Director

Dated: 1/13/2020 3:58:21 Page 4 of 8



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947144 **Density (s/mm<sup>2</sup>):** <19.2 **Volume:** 1804.0 L **Client No.:** BRB-0108-26 Location: High Volume In 6th St Stairs Between Concentration (s/cc): <0.0041 1st And 2nd Levels Asbestos Type(s): None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947145 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: High Volume In 6th St Stairs Between Concentration (s/cc): <0.0041 **Client No.:** BRB-0108-27 1st And 2nd Levels **Asbestos Type(s):** None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947146 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: High Volume In 6th St Stairs Between Concentration (s/cc): <0.0041 **Client No.:** BRB-0108-28 1st And 2nd Levels Asbestos Type(s): None Detected

**Date Sampled:** 1/8/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020

Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:58:21 Page 5 of 8 Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947147 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** BRB-0108-29 **Location:** High Volume In 6th St Stairwell

Outsides

Date Sampled: 1/8/20

**Lab No.:** 6947148 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0108-30 Concentration (s/cc): <0.0041 **Location:** High Volume In 6th St Stairwell Outsides Asbestos Type(s): None Detected

Date Sampled: 1/8/20

Lab No.: 6947149 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0108-31 **Location:** High Volume In 6th St Stairwell Concentration (s/cc): <0.0041 Outsides Asbestos Type(s): None Detected

Date Sampled: 1/8/20

**Volume:** 1804.0 L **Lab No.:** 6947150 **Density (s/mm<sup>2</sup>):** 19.2

**Client No.:** BRB-0108-32 **Location:** High Volume In 6th St Stairwell Concentration (s/cc): 0.0041

Outsides **Asbestos Type(s):**Chrysotile

Date Sampled: 1/8/20

Lab No.: 6947151 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Volume In 6th St Stairwell **Client No.:** BRB-0108-33 Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Outsides

**Date Sampled:** 1/8/20 Geometric Mean = 0.0041 Structures/cc

**Lab No.:** 6947152 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

Location: High Volume In 6th St Stairs **Client No.:** BRB-0108-34 Concentration (s/cc): <0.0041 Vestibule Entrance Right Side Asbestos Type(s): None Detected

**Date Sampled:** 1/8/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: Approved By:

01/09/2020 Date Analyzed: Frank E. Ehrenfeld, III

Signature: Laboratory Director Craig Liska Analyst:

Dated: 1/13/2020 3:58:21 Page 6 of 8



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6947153 **Volume:** 1804.0 L

**Density (s/mm²):** 19.2 **Client No.:** BRB-0108-35 **Location:** High Volume In 6th St Stairs Concentration (s/cc): 0.0041

Vestibule Entrance Right Side Asbestos Type(s): Chrysotile Date Sampled: 1/8/20

**Lab No.:** 6947154 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0108-36 **Location:** High Volume In 6th St Stairs Concentration (s/cc): <0.0041

Vestibule Entrance Right Side **Asbestos Type(s):** None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947155 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0108-37 **Location:** High Volume In 6th St Stairs Concentration (s/cc): <0.0041

Vestibule Entrance Right Side **Asbestos Type(s):** None Detected

Date Sampled: 1/8/20

**Lab No.:** 6947156 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** 19.2 **Location:** High Volume In 6th St Stairs Concentration (s/cc): 0.0041 **Client No.:** BRB-0108-38 Asbestos Type(s): Chrysotile

Vestibule Entrance Right Side

**Date Sampled:** 1/8/20 Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:21 Page 7 of 8



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.

Client: SYN177 Project No.: 010-4541

## Appendix to Analytical Report:

**Customer Contact:** Jacqueline McMahon **Method:** 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

#### **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

Dated: 1/13/2020 3:58:21 Page 8 of 8



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

**Grid Openings: 4** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947119 **Volume (L):** 1804.0 L Date Sampled: 1/8/20 Client No.: BRB-0108-01

Location: High Volumn Marshall St Vestibule

Entrance Level Enclosure

Asbestos Structures: 1 Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): 19.2

Structure Concentration (s/cc): 0.0041

**Micrograph Number: Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

Lab No.: 6947120 **Volume (L):** 1804.0 L **Client No.:** BRB-0108-02 **Date Sampled:** 1/8/20

Location: High Volumn Marshall St Vestibule

Entrance Level Enclosure

**Grid Openings: 4** Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2

**Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Structures 0.5 μm to <5.0 μm: None Detected

Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385

Filter Type: MCE

Filter Size (mm<sup>2</sup>): 385

**Pore Size (µm):** 0.45

**Pore Size (µm):** 0.45

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/8/2020

Date Analyzed:

Dated: 1/13/2020 3:58:24

01/08/2020

Signature:

Analyst:

Craig Liska

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947121 **Volume (L):** 1804.0 L **Client No.:** BRB-0108-03 **Date Sampled:** 1/8/20

Filter Size (mm<sup>2</sup>): 385 Location: High Volumn Marshall St Vestibule **Pore Size (µm):** 0.45

Entrance Level Enclosure

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

**Lab No.:** 6947122 **Volume (L):** 1804.0 L

Filter Type: MCE **Client No.:** BRB-0108-04 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 Location: High Volumn Marshall St Vestibule **Pore Size (µm):** 0.45

Entrance Level Enclosure

**Grid Openings: 4** Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/8/2020

Date Analyzed:

Dated: 1/13/2020 3:58:24

01/08/2020

Signature:

Analyst:

Craig Liska

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.
Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6947123
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0108-05
 Date Sampled: 1/8/20
 Filter Size (mm²): 385

Date Sampled: 1/8/20 Filter Size (mm²): 385
Location: High Volumn Marshall St Vestibule Pore Size (μm): 0.45

Entrance Level Enclosure

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013Area Analyzed (mm²): 0.0520Structures 0.5 μm to <5.0 μm: None Detected</td>Sensitivity (s/mm²): 19.2Structures  $\ge 5.0$  μm: None DetectedDetection Limit (s/cc): 0.0041Structure Density (s/mm²):  $\le 19.2$ Structure Concentration (s/cc):  $\le 0.0041$ 

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:
Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/8/2020

Date Analyzed: 01/08/2020

Signature:
Analyst: Craig Liska

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:24 Page 3 of 20



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947127 **Volume (L):** 1804.0 L

**Date Sampled:** 1/8/20 **Client No.:** BRB-0108-09 Filter Size (mm<sup>2</sup>): 385 Location: High Volume In 1st And 2nd Level **Pore Size (µm):** 0.45

Enclosure For Marshall St Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

**Lab No.:** 6947128 Volume (L): 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-10 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Volume In 1st And 2nd Level **Pore Size (µm):** 0.45

Enclosure For Marshall St Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

**EDXA Spectrum ID:** 

1/8/2020

01/08/2020 Date Analyzed:

Signature:

Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:24

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.
Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6947129
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0108-11
 Date Sampled: 1/8/20
 Filter Size (mm²): 385

Location: High Volume In 1st And 2nd Level Pore Size (µm): 0.45

Enclosure For Marshall St Stairs

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Detection Limit (s/cc): 0.0041

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Structure Density (s/mm²): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

**Lab No.:** 6947130 **Volume (L):** 1804.0 L

Client No.: BRB-0108-12 Date Sampled: 1/8/20 Filter Size (mm²): 385
Location: High Volume In 1st And 2nd Level Pore Size (µm): 0.45

**Location:** High volume in 1st And 2nd Level **Pore Size (μm):** 0.4 Enclosure For Marshall St Stairs

Eliciosule Foi iviaisilaii St Stalis

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: None Detected Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2

Structure Density (s/min-):  $\frac{519.2}{19.2}$ Structure Concentration (s/cc):  $\frac{50.0041}{19.2}$ 

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Filter Type: MCE

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/8/2020

Date Analyzed: 01/08/2020

Signature:
Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:24 Page 5 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Lab No.:** 6947131 Volume (L): 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-13 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385

Location: High Volume In 1st And 2nd Level **Pore Size (µm):** 0.45

**Enclosure For Marshall St Stairs** 

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/08/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:24 Page 6 of 20 Approved By:

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.
Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6947132
 Volume (L): 1804.0 L

 Client No.: BRB-0108-14
 Date Sampled: 1/8/20

No.: BRB-0108-14 Date Sampled: 1/8/20 Filter Size (mm²): 385 Location: High Volume In 2nd And 3rd Level Pore Size (µm): 0.45

Enclosure For Marshall St Stairs

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013Area Analyzed (mm²): 0.0520Sensitivity (s/mm²): 19.2Structures  $0.5 \mu m$  to  $<5.0 \mu m$ : None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm<sup>2</sup>):  $\leq$ 19.2

Structure Concentration (s/cc): <0.0041
Wicrograph Number: Ashestos Type(s): None Detected

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

 Lab No.: 6947133
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0108-15
 Date Sampled: 1/8/20
 Filter Size (mm²): 385

Location: High Volume In 2nd And 3rd Level

Pinter Size (min ): 38

Location: High Volume In 2nd And 3rd Level

Pore Size (µm): 0.45

Enclosure For Marshall St Stairs

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: None Detected Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2

etection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s):None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/8/2020

Date Analyzed: 01/09/2020

Signature:
Analyst:
Ben Reich

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:24 Page 7 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.
Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6947134
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0108-16
 Date Sampled: 1/8/20
 Filter Size (mm²): 385

Location: High Volume In 2nd And 3rd Level Pore Size (µm): 0.45

**Enclosure For Marshall St Stairs** 

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Detection Limit (s/cc): 0.0041

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Structure Density (s/mm²): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Lab No.: 6947135 Volume (L): 1804.0 L Filter Type: MCE

Client No.: PRP, 0108-17 Pate Sampled: 1/8/20 Filter Size (mm²): 385

Client No.: BRB-0108-17 Date Sampled: 1/8/20 Filter Size (mm²): 385
Location: High Volume In 2nd And 3rd Level Pore Size (µm): 0.45

**Location:** High Volume in 2nd And 3rd Level **Pore Size (μm):** 0.45 Enclosure For Marshall St Stairs

Grid Openings: 4 Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density

Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0 µm: None Detected Detection Limit (s/cc): 0.0041 Structure Density (s/mm²):  $\leq$ 19.2 Structure Concentration (s/cc):  $\leq$ 0.0041

Micrograph Number: Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/8/2020

Date Analyzed: 01/09/2020

Signature:
Analyst:
Ben Reich

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Frank E. Ehrenfeld, III

Laboratory Director

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.

Project No.: 010-4541 Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947136 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 **Client No.:** BRB-0108-18

Filter Size (mm<sup>2</sup>): 385 Location: High Volume In 2nd And 3rd Level **Pore Size (µm):** 0.45

Approved By:

Enclosure For Marshall St Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Lab No.: 6947137 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-19 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385

Location: High Volume On Entrance Level Of **Pore Size (μm):** 0.45

Marshall St Stairs

**Grid Openings: 4 Asbestos Structures:** None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm²): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:58:25 Page 9 of 20



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947138 **Volume (L):** 1804.0 L Filter Type: MCE Date Sampled: 1/8/20 **Client No.:** BRB-0108-20

Filter Size (mm<sup>2</sup>): 385 **Location:** High Volume On Entrance Level Of **Pore Size (µm):** 0.45

Marshall St Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

**Lab No.:** 6947139 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-21 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/8/20

Location: High Volume On 1st Floor In **Pore Size (µm):** 0.45

Marshall St Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:58:25 Page 10 of 20



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947140 **Volume (L):** 1804.0 L Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0108-22 **Date Sampled:** 1/8/20

Location: High Volume In Marshall St Stairwell Pore Size (um): 0.45

Between 1st And 2nd Level

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq$  5.0 µm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Lab No.:** 6947141 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-23 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 Location: High Volume In Marshall St Stairwell Pore Size (µm): 0.45

Between 2nd And 3nd Level

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

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Approved By:

Frank E. Ehrenfeld, III

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947142 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0108-24

Location: High Volume In 6th St Stairs Between Pore Size (µm): 0.45

1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Lab No.:** 6947143 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-25 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/8/20

Location: High Volume In 6th St Stairs Between Pore Size (µm): 0.45

1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:25 Page 12 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947144 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0108-26

Location: High Volume In 6th St Stairs Between Pore Size (µm): 0.45

1st And 2nd Levels

**Grid Openings: 4** 

Asbestos Structures: None Detected

Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Micrograph Number: **EDXA Spectrum ID:** 

**Lab No.:** 6947145 **Volume (L):** 1804.0 L **Client No.:** BRB-0108-27 **Date Sampled:** 1/8/20

Filter Size (mm<sup>2</sup>): 385 Location: High Volume In 6th St Stairs Between Pore Size (µm): 0.45

1st And 2nd Levels

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2

**Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Asbestos Structures: None Detected

Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Filter Type: MCE

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/8/2020

Date Analyzed:

01/09/2020

Signature:

Ben Reich Analyst:

Dated: 1/13/2020 3:58:25

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 13 of 20



Client: SYN177

Geometric Mean = 0.0041 Structures/cc

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

**Lab No.:** 6947146 Volume (L): 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0108-28

Location: High Volume In 6th St Stairs Between Pore Size (µm): 0.45

1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Ben Reich Analyst:

Dated: 1/13/2020 3:58:25

Frank E. Ehrenfeld, III Laboratory Director

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Approved By:



Email: customerservice@iatl.com

Filter Type: MCE

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S.
Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

Date Analyzed:

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947147 Volume (L): 1804.0 L

Client No.: BRB-0108-29

Date Sampled: 1/8/20
Filter Size (mm²): 385
Location: High Volume In 6th St Stairwell
Pore Size (µm): 0.45

Outsides

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

**Lab No.:** 6947148 **Volume (L):** 1804.0 L

Client No.: BRB-0108-30 Date Sampled: 1/8/20 Filter Size (mm²): 385
Location: High Volume In 6th St Stairwell Pore Size (µm): 0.45

Outsid

Outsides

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Approved By:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/8/2020

Signature:
Analyst: Craig Liska

01/09/2020

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:25 Page 15 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947149 **Volume (L):** 1804.0 L **Date Sampled:** 1/8/20 **Client No.:** BRB-0108-31

Location: High Volume In 6th St Stairwell

Outsides

**Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Grid Openings: 4** 

**Lab No.:** 6947150 **Volume (L):** 1804.0 L **Client No.:** BRB-0108-32 **Date Sampled:** 1/8/20

Location: High Volume In 6th St Stairwell

Outsides

**Grid Openings: 4 Asbestos Structures: 1** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2

**Detection Limit (s/cc):** 0.0041

Micrograph Number: 5754 **EDXA Spectrum ID:** 

Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385

Pore Size (µm): 0.45

Filter Type: MCE

Filter Size (mm<sup>2</sup>): 385

**Pore Size (µm):** 0.45

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/8/2020

Date Analyzed:

01/09/2020

Signature:

Craig Liska Analyst:

Dated: 1/13/2020 3:58:25

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 16 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6947151 **Date Sampled:** 1/8/20 **Client No.:** BRB-0108-33

Filter Size (mm<sup>2</sup>): 385 Location: High Volume In 6th St Stairwell **Pore Size (µm):** 0.45

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Outsides

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** Geometric Mean = 0.0041 Structures/cc

Lab No.: 6947152 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-34 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 **Pore Size (μm):** 0.45

Location: High Volume In 6th St Stairs Vestibule Entrance Right Side

**Grid Openings: 4 Asbestos Structures:** None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:25 Page 17 of 20



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947153 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 **Client No.:** BRB-0108-35

Filter Size (mm<sup>2</sup>): 385 Location: High Volume In 6th St Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Right Side

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: 1

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2

Structure Concentration (s/cc): 0.0041

Micrograph Number: DP 5755 **Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

**EDXA Spectrum ID:** 

Lab No.: 6947154 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-36 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385

Location: High Volume In 6th St Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Right Side

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:25 Page 18 of 20 Approved By:

Structure Density (s/mm<sup>2</sup>): 19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): 0.0041

Non-Asbestos Type(s): SiAl - Other Fiber

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607430 - TEM AHERA

Philadelphia PA 19148 Project: McClure E.S. Project No.: 010-4541

Client: SYN177

**Grid Openings: 4** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6947155 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0108-37

Location: High Volume In 6th St Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Right Side

Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Lab No.:** 6947156 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0108-38 **Date Sampled:** 1/8/20 Filter Size (mm<sup>2</sup>): 385

Location: High Volume In 6th St Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Right Side

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/8/2020 Date Received: 01/09/2020 Date Analyzed:

Geometric Mean = 0.0041 Structures/cc

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:25

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Page 19 of 20

Project: MOUNT E.	5.		Date: <u>/.9 -2020</u>
Project Number: 010-45	741		Rotometer No.: HVR_/69_LVR
Laboratory: Zati	Analysis:	TFM	Phila. Requirements: ☑ YES ☐ NO

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME		c	ALIBRA	TION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
NB -019-01	NIGHT WE IN PLAYERENTS VESTILVER ENTANCE STAIRS.	3-4	828 AN	1128 AN	180	10.02	10.02	1864	69481	98
MB -0109-02	HIGH WAL IN ALAGEACHUS VESTIAVIA GUTHALUS. STANYS	3-A	828AK	1128 A1	180	10.02	10.00	184	69431	99
413 -0,09-63	HER VOL W PLANGEROUS WESTIAVE ENTRANCE STANG	3-1	82811	112841	180	10.02	10.02	1864	<b>694</b> 32	00
ALS -0109-04	HILD VOL IN PLOYERTURA VESTIKUS ENTRAVER STANG	34	828A)	1129 As	180	10.02	10.02	1804	69432	01
14 -0109-05	HAN USE IN PLANTANCE. STANG	3-1	82841	112844	180	10.02	10.02	1841	6943;	202
eng -0109-06	Fire Stark	1	/	/			/	/	69432	
MS -0109 -07	FIELD BLANK	/	/	/	/	1	/	/	69432	·
111 -0108-08	SEALES ALMY	/	/	/	/	/	/	1	6948	

RNS -0109 -07	FIELD BLANK	/	/	/	/		/	/	6943204
NG -0128-08	SEALES BLANK		/	/	/		/	/_	6948205
Sample Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Area Environmental Clean Area Environmental Clean Area	<u> </u>	6 Hour TA Samples C Transmitte Received	T Contact: Collected By d to Lab By	: <u> </u>	Jame Sary Lary STAN	diate 🗵 (	6 Hour	<b>24 Hour</b> [	48 Hour   Other



7 Environmental Clean Area

Project: MCNUE ES	Date:
Project Number: 010-4541	Rotometer No.: HVR_/S/ LVR
Laboratory: Analysis:	Phila. Requirements: ☑ YES ☐ NO

Date:

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME		C	ALIBRA	rion	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
Ma -01A -09	STARS AUTWEEN 15T SUR 2ND LEVELS	3-A	83141	1131AS	180	10.02	10.02	1804	69432	06
BAB -0109-10	HICH WAL IN PLAYSLICIONS STAYES STAKEN 15T AND DUS CENTERS	3·A	83 <i>1A</i> 1	1131AN	180	10.00	10.00	1804	69482	07
bls -0129-11	STANT LETTEREN 151 AUS JUN LEVELS	3-4	831M	113141	180	10.02	por	1804	69432	
als -0108 =12	STANS BETWEEN 15T MIS 2000 LUXUS	3-A	832M	11324	80	10.00	10.02	1804	69432	
WB -0109 -13	STAND BETWEEN IST AND	3-A	832AJ	11 32 AK	180	10.02	10.02	1841	6943:	
OLS -0109-14	AND WA IN SUSTILIONED STANS USSTIANCE ENT- LANCE ONTSISE	2-N	83411	113441	180	10.00	10.00	1804	69432 6943;	
BLB -0109-15	STAJUS LESTIANA ENT- AMICA. ON SIA	3-N	83.4As	11344	180	10.02	10.00	184		
she -0109 -16	HINN VOL IN PROJECTIONS STAIRS KOTWERN IST AND ZUS LEVERS	3-1	835A	113541	180	10.02	10.02	1801	694821	ğ

242	LEWENS.		09434
Sampling C	odes	Turnaround Time (TAT): ☐ Immediate ⊠ 6 Hour ☐ 2	24 Hour 🗌 48 Hour 🗍 Other
Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Area Personnel Clean Area	A Aggressive N Normal E Excursion T TWA R Representative	6 Hour TAT Contact:  Samples Collected By:  Transmitted to Lab By:  Received in Lab By:	at:

Samples Analyzed By:\_



Project: Mank ES		Date: 1.9.2020
Project Number: 00-4541		Rotometer No.: HVR /89 LVR
Laboratory:	Analysis: TEs	Phila. Requirements: YES NO

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME		С	ALIBRA"	<b>LION</b>	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ars -0109-17	HILA VOL IN PLOY GLORINS STANS SETTIMEN IST AND SUD LEVENS.	3-2	83 <i>5A</i> 1	1135M	180	10.02	10.02	1804	6943	214
BAS -0109-18	STANS SOTTUREN IST MAS ZUD CEVENS.	3-N	835A1	1135A1	180	10.02	10.02	1804	6943	215
		e njemen	4					·		
<b>- -</b>										

Sampling Control Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Area	odes A Aggressive N Normal E Excursion T TWA R Representative	Turnaround Time (TAT): Immediate 6 Hour TAT Contact: Samples Collected By: Samples Colle	At: Date: 1.8 - 2020
6 Personnel Clean Area 7 Environmental Clean Area		Received in Lab By: Samples Analyzed By:	Date: Date:

Project: MCUME E.S.		Date:
Project Number: 010-45	<u>'/</u>	Rotometer No.: HVR /gg_LVR
Laboratory: <i>INTL</i>	_ Analysis: <i>TE</i> M	Phila. Requirements: YES NO

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	-	SAMPLES			TIME		С	ALIBRA	TION	ANALYTIC	
	No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ans	-0109-19	HALL BY HAW OFFICE.	1-2	837AK	1130AS	180	10.02	10.02	1804	6943216	
BUS	-0/09 -20	HILL BY ESFETERIA DON #2 ALD#3	الارا	837Az	113741	180	10.02	10.02	1804	6943217	
sed	-0109-21	HILL WOL IN 15T FLOOR HALL BY CAFETERIA DOCK = 4.	1-12	838A1	113845	180	10.02	10.00	1804	694321	3
								•			

<u> </u>		
Sampling Codes  1 Diagnostic A Aggressive 2 Preliminary Normal 3 Clearance/Final E Excursion 4 Personnel Work Area T TWA 5 Environmental Work Area 6 Personnel Clean Area 7 Environmental Clean Area	Turnaround Time (TAT): Immediate 6 Hour TAT Contact: Samples Collected By: Samples Collected By: Samples Analyzed By:	6 Hour   24 Hour   48 Hour   Other



Client:	Synertech Inc			Batch No.:	<b></b> 607527
	228 Moore St			Project:	McClure ES
_	Philadelphia,	PA 19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Υ
				Turn-Around Tir	
Client Contacts	•		Laborator	y Contacts:	Rusii
Contacts: Phone:			Contacts: Phone:	Frank E. Ehrenfeld	III
Fax: Cell/Pager:			Fax:	(856) 231-9449 (856) 231-9818	
E-Mail:			Cell/Pager: E-Mail:	(609) 929-4211 frankehrenfeld@iat	l.com
Chain of Custoo	ly:				
Samples Taken in I Samples Rec'd at L	Field:	L. D'Ornellas	Date: Date:	1/0/2000	Time:
Samples Analyzed:		C. Liska	Date:	1/9/2020	Time:
Preliminary Results Preliminary Results			Date: Date:	1/9/2020	Time: Time: Time:
Client	IATI	Transmission E	nary Data lectron Microscop 40CFR 763	ру	

Client	IATL	Volume			ī
Sample ID #	Sample ID #	(L)	Comments	Results	Results
0109-01	6948198	1804	None Detected	s/mm²	s/cc
0109-02	6948199	1804	Chrysotile	< 19.2	< 0.0041
0109-03	6948200	1804	None Detected	19.2	0.0041
0109-04	6948201	1804	Chrysotile	19.2	< 0.0041
0109-05	6948202	1804	None Detected	< 19.2	0.0041 < 0.0041
				- 17.5	< 0.0041
ALIED L OI	a :				

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .				
A TERCA CICIANCE CITIETIA IS /0 s/mm².	Average $(s/mm^2) =$	19.2	7	
Phila. Regulations Clearance Criteria is 0.00554 s/cc		1.7.2	Grid Box #:	1836
		Geo = 0.0041	_	
Z Test Reults (see attached, if applicable)		0.0017		
(see attached, if applicable)			Instrument (I, II, III	T
			instrument (1, 11, 111	l



Client:	Synertech Inc.			Batch No.:	607527
_	228 Moore Stree	t		Project:	McClure ES
_	Philadelphia, PA	19148		Project No.:	·
Client No.:	SYN177			Philly Regs:	010-4541
				Turn-Around Time	Y 6 House Pools
Client Contact	s:		Laborator		e: 6 Hour Rush
Contacts:			Contacts:	y Contacts:	
Phone:				Frank E. Ehrenfeld I	III
Fax:		M. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Phone:	(856) 231-9449	
Cell/Pager:	** *** *** ***************************		Fax:	(856) 231-9818	
E-Mail:			Cell/Pager:	(609) 929-4211	
-			E-Mail:	frankehrenfeld@iatl.	.com
Chain of Custo	dy:				
Samples Taken in	Field:	Client	Date:	1/9/2020	Time:
Samples Rec'd at I	Laboratory:	L. D'Ornellas	Date:	1/9/2020	Time:
Samples Analyzed		J. Jeon	Date:	1/9/2020	
Preliminary Result	ts Faxed:		Date:	17972020	_ Time:
Preliminary Result	ts E-Mail:		Date:	-	Time:
					Time:
			ımary Data Electron Microscoj	nv.	

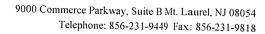
Client	IATL	Volume			r
Sample ID #	Sample ID #	(L)	Comments	Results s/mm <sup>2</sup>	Results
BRB-0109-09	6948206	1804	None Detected		s/cc
BRB-0109-10	6948207	1804		< 19.2	< 0.0041
BRB-0109-11	6948208	<del></del>	None Detected	< 19.2	< 0.0041
		1804	None Detected	< 19.2	< 0.0041
BRB-0109-12	6948209	1804	None Detected	< 19.2	< 0.0041
BRB-0109-13	6948210	1804	None Detected	< 19.2	< 0.0041
					10.0041

AHERA 40CFR 763

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average (s/mm <sup>2</sup> ) =	19.2	Cilp "	40.4
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041	Grid Box #:	1836
Z Test Reults (see attached, if applicable)		GC0 - 0.0041	1	
			Instrument (I, II, III_	III

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revision Date: 10/06/18





Client:	Synertech Inc.			Batch No.:	607527
	228 Moore Str	eet		Project:	McClure ES
	Philadelphia, I	PA 19148		Project No.:	010-4541
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time	: 6 Hour Rush
Client Contac	ets:		Laborator	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld II	I
Phone:			Phone:	(856) 231-9449	
Fax:	***************************************		Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iatl.c	<u>com</u>
Chain of Cust	tody:				
Samples Taken i		Client	Date:	1/9/2020	Time:
Samples Rec'd a	t Laboratory:	L. D'Ornellas	Date:	1/9/2020	•
Samples Analyze		J. Jeon	Date:	1/9/2020	Time:
Preliminary Rest	ults Faxed:		Date:	1/9/2020	Time:
Preliminary Resu	ılts E-Mail:		Date:		Time:
			Date.		Time:
		Sum	mary Data		

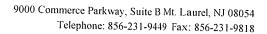
## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume			
Sample ID #	Sample ID #	(L)	Comments	Results	Results
BRB-0109-14	6948211	1804	None Detected	s/mm²	s/cc
BRB-0109-15	6948212	1804	None Detected	< 19.2	< 0.0041
BRB-0109-16	6948213	1804	None Detected	< 19.2	< 0.0041
BRB-0109-17	6948214	1804	None Detected	< 19.2 < 19.2	< 0.0041
BRB-0109-18	6948215	1804	None Detected	< 19.2	< 0.0041 < 0.0041
				17.2	<u> </u>

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average (s/mm <sup>2</sup> ) =	19.2	C:IP #	
Phila. Regulations Clearance Criteria is 0.00554 s/cc	G* ()	Geo = 0.0041	Grid Box #:	1836
Z Test Reults (see attached, if applicable)		0.0041	In atom 4 (I II III	
			Instrument (I, II, III_	III

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revisi





						<b></b>
Client:	Synertech Inc	•			Batch No.:	 607527
	228 Moore St	reet			Project:	
	Philadelphia,	PA 19148			Project No.:	McClure ES
Client No.:	SYN177					010-4541
	***************************************		***************************************		Philly Regs:	Y
Client Contac	·te·				Turn-Around Tim	e: 6 Hour Rush
Contacts:					y Contacts:	
Phone:				Contacts:	Frank E. Ehrenfeld	III
Fax:				Phone:	(856) 231-9449	
Cell/Pager:				Fax:	(856) 231-9818	
E-Mail:		······································		Cell/Pager:	(609) 929-4211	
L-ivian.			<u> </u>	E-Mail:	frankehrenfeld@iatl	.com
Chain of Cust	ody:					
Samples Taken i		Client	····	Date:	1/0/2020	
Samples Rec'd a	t Laboratory:	L. D'Ornell	as		1/9/2020	Time:
Samples Analyzo	•	J. Jeon	<u></u>	Date:	1/9/2020	Time:
Preliminary Resi	ılts Faxed:	3. 30011		Date: Date:	1/9/2020	Time:
Preliminary Resu						Time:
				Date:		Time:
		Tran	Summary Ismission Electr AHERA 40C	on Microsco <sub>l</sub>	ру	
Client	IATL	Volume				

Client	IATL	Volume		I	
Sample ID #	Sample ID #	(L)	Comments	Results	Results
BRB-0109-19	6948216	1804	None Detected	s/mm²	s/cc
BRB-0109-20	6948217	1804	None Detected	< 19.2	< 0.0041
BRB-0109-21	6948218	1804	Chrysotile	< 19.2	< 0.0041
			Cinysothe	19.2	0.0041
				***	
	**				
		***			

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1927
Phila. Regulations Clearance Criteria is 0.00467 s/cc		Geo = 0.0041	Grid 50x #	1836
Z Test Reults (see attached, if applicable)		0.0077	Tuesday (V. VI. 1977)	
			Instrument (I, II, III_	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

### TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6948198 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-01 Location: High Vol In Playground Vestibule Concentration (s/cc): <0.0041

**Entrance Stairs** 

Asbestos Type(s): None Detected Date Sampled: 1/09/20

**Lab No.:** 6948199 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0109-02 Location: High Vol In Playground Vestibule Concentration (s/cc): 0.0041

**Entrance Stairs** 

**Asbestos Type(s):**Chrysotile

Date Sampled: 1/09/20

Lab No.: 6948200 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-03 Location: High Vol In Playground Vestibule Concentration (s/cc): <0.0041

**Entrance Stairs** 

Asbestos Type(s): None Detected

Date Sampled: 1/09/20

Lab No.: 6948201 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0109-04 Location: High Vol In Playground Vestibule

**Entrance Stairs** 

Concentration (s/cc): 0.0041 **Asbestos Type(s):**Chrysotile

Asbestos Type(s): None Detected

Date Sampled: 1/09/20

Lab No.: 6948202 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-05 Location: High Vol In Playground Vestibule Concentration (s/cc): <0.0041

**Entrance Stairs** 

Date Sampled: 1/09/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Geometric Mean = 0.0041 Structures/cc

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 1/13/2020 3:58:29 Page 1 of 5



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6948206 **Volume:** 1804.0 L

Location: High Vol In Playground Stairs **Client No.:** BRB-0109-09 Concentration (s/cc): <0.0041

Between 1st And 2nd Levels Asbestos Type(s): None Detected Date Sampled: 1/09/20

**Density (s/mm<sup>2</sup>):** <19.2

Lab No.: 6948207 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-10 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels Asbestos Type(s): None Detected Date Sampled: 1/09/20

Lab No.: 6948208 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0109-11 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels Asbestos Type(s): None Detected Date Sampled: 1/09/20

Lab No.: 6948209 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-12 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels **Asbestos Type(s):** None Detected Date Sampled: 1/09/20

Lab No.: 6948210 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-13 Location: High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels Asbestos Type(s): None Detected

**Date Sampled:** 1/09/20 Geometric Mean = 0.0041 Structures/cc

Jhoon Jeon

Signature:

Analyst:

**Lab No.:** 6948211 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Vol In Playground Stairs **Client No.:** BRB-0109-14 Concentration (s/cc): <0.0041

Vestibule Entrance Outside Asbestos Type(s): None Detected Date Sampled: 1/09/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: Approved By:

01/09/2020 Date Analyzed:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:29 Page 2 of 5



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6948212 **Volume:** 1804.0 L

**Client No.:** BRB-0109-15 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Vestibule Entrance Outside Asbestos Type(s): None Detected Date Sampled: 1/09/20

**Density (s/mm<sup>2</sup>):** <19.2

**Lab No.:** 6948213 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-16 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels **Asbestos Type(s):** None Detected Date Sampled: 1/09/20

Lab No.: 6948214 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0109-17 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041

Between 1st And 2nd Levels Asbestos Type(s): None Detected Date Sampled: 1/09/20

**Lab No.:** 6948215 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Location:** High Vol In Playground Stairs Concentration (s/cc): <0.0041 **Client No.:** BRB-0109-18

Vestibule Entrance Outside Asbestos Type(s): None Detected **Date Sampled:** 1/09/20

Geometric Mean = 0.0041 Structures/cc

Analyst:

Lab No.: 6948216 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Location:** High Vol In 1st Floor Hall By Main Concentration (s/cc): <0.0041 **Client No.:** BRB-0109-19

Asbestos Type(s): None Detected Date Sampled: 1/09/20

**Lab No.:** 6948217 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

Location: High Vol In 1st Floor Hall By **Client No.:** BRB-0109-20 Concentration (s/cc): <0.0041 Cafeteria Door #2 And #3 Asbestos Type(s): None Detected **Date Sampled:** 1/09/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: Approved By:

01/09/2020 Date Analyzed: Frank E. Ehrenfeld, III

Signature: Laboratory Director Jhoon Jeon

Dated: 1/13/2020 3:58:29 Page 3 of 5



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6948218 **Volume:** 1804.0 L **Client No.:** BRB-0109-21

Location: High Vol In 1st Floor Hall By Concentration (s/cc): 0.0041 Asbestos Type(s): Chrysotile

**Density (s/mm<sup>2</sup>):** 19.2

Cafeteria Door #4 Date Sampled: 1/09/20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/9/2020

Date Analyzed:

01/09/2020

Signature:

Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:29

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 4 of 5



Client: SYN177

**EDXA Spectrum ID:** 

**EDXA Spectrum ID:** 

Dated: 1/13/2020 3:58:31

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948198 **Volume (L):** 1804.0 L

**Date Sampled:** 1/09/20 Client No.: BRB-0109-01 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Playground Vestibule **Pore Size (µm):** 0.45

Entrance Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Lab No.: 6948199 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0109-02 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol In Playground Vestibule **Pore Size (µm):** 0.45

**Entrance Stairs** 

**Grid Openings: 4** Asbestos Structures: 1 Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile Micrograph Number: DP 5758

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Frank E. Ehrenfeld, III

Approved By:

Laboratory Director

Page 1 of 11



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6948200 Date Sampled: 1/09/20 **Client No.:** BRB-0109-03

Location: High Vol In Playground Vestibule

Entrance Stairs

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2

> Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Detection Limit (s/cc):** 0.0041

**Lab No.:** 6948201 **Volume (L):** 1804.0 L **Client No.:** BRB-0109-04 **Date Sampled:** 1/09/20

Location: High Vol In Playground Vestibule

Entrance Stairs

**Grid Openings: 4 Asbestos Structures: 1** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520

Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile

Filter Type: MCE

Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/9/2020

Date Analyzed:

Dated: 1/13/2020 3:58:31

01/09/2020

Signature:

Analyst:

Craig Liska

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948202 Volume (L): 1804.0 L Filter Type: MCE Date Sampled: 1/09/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0109-05

Location: High Vol In Playground Vestibule **Pore Size (µm):** 0.45

**Entrance Stairs** 

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 1/13/2020 3:58:31

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 3 of 11



Client: SYN177

**EDXA Spectrum ID:** 

Analyst:

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948206 **Volume (L):** 1804.0 L **Date Sampled:** 1/09/20 **Client No.:** BRB-0109-09

Filter Size (mm<sup>2</sup>): 385 **Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Between 1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6948207 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0109-10 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Between 1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Approved By:

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Frank E. Ehrenfeld, III Signature: Laboratory Director Jhoon Jeon

Dated: 1/13/2020 3:58:31 Page 4 of 11



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

### TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6948208
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0109-11
 Date Sampled: 1/09/20
 Filter Size (mm²): 385

Location: High Vol In Playground Stairs

Pore Size (μm): 0.45

Between 1st And 2nd Levels

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected

Structures ≥ 5.0 μm: None Detected

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Lab No.: 6948209 Volume (L): 1804.0 L Filter Type: MCE

Client No.: PRP 0100-12 Pate Sempled: 1/00/20 Filter Size (mm²): 385

Client No.: BRB-0109-12 Date Sampled: 1/09/20 Filter Size (mm²): 385
Location: High Vol In Playground Stairs Pore Size (um): 0.45

Between 1st And 2nd Levels

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected Structures Structures ≥ 5.0 μm: None Detected Structures

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/9/2020 Approved By:

Date Analyzed: 01/09/2020

Signature:
Analyst:
Jhoon Jeon

Frank

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:31 Page 5 of 11



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948210 **Volume (L):** 1804.0 L Filter Type: MCE Date Sampled: 1/09/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0109-13

**Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Between 1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6948211 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0109-14 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385

Location: High Vol In Playground Stairs **Pore Size (μm):** 0.45

Vestibule Entrance Outside

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:31 Page 6 of 11 Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948212 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0109-15 Date Sampled: 1/09/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Outside

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID: Lab No.:** 6948213 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0109-16 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Between 1st And 2nd Levels

**Grid Openings: 4** 

Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Frank E. Ehrenfeld, III

Approved By:

Laboratory Director

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6948214 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0109-17 Date Sampled: 1/09/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Between 1st And 2nd Levels

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

**Lab No.:** 6948215 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0109-18 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385 **Location:** High Vol In Playground Stairs **Pore Size (µm):** 0.45

Vestibule Entrance Outside

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Dated: 1/13/2020 3:58:31

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received: 01/09/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES 010-4541

Project No.: Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6948216 **Client No.:** BRB-0109-19 **Date Sampled:** 1/09/20

Filter Size (mm<sup>2</sup>): 385 Location: High Vol In 1st Floor Hall By Main **Pore Size (µm):** 0.45

Office

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

**Lab No.:** 6948217 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0109-20 **Date Sampled:** 1/09/20 Filter Size (mm<sup>2</sup>): 385

**Location:** High Vol In 1st Floor Hall By **Pore Size (µm):** 0.45

Cafeteria Door #2 And #3

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Please refer to the Appendix of this report for further information regarding your analysis.

1/9/2020 Date Received:

**EDXA Spectrum ID:** 

01/09/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Dated: 1/13/2020 3:58:31 Page 9 of 11 Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/9/2020

228 Moore Street Report No.: 607527 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6948218
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0109-21
 Date Sampled: 1/09/20
 Filter Size (mm²): 385

Location: High Vol In 1st Floor Hall By Pore Size (µm): 0.45

Cafeteria Door #4

Grid Openings: 4 Asbestos Structures: 1 Non-Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm²): 19.2 Structures ≥ 5.0 μm: 1

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): 19.2

Structure Concentration (s/cc): 0.0041

Micrograph Number: Asbestos Type(s):Chrysotile

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/9/2020

Date Analyzed: 01/09/2020

Signature:

Analyst:

Jhoon Jeon

Dated: 1/13/2020 3:58:31

Frank E. Ehrenfeld, III Laboratory Director

Page 10 of 11

Approved By:

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r	M	W	ı	D	0	7.5	8.8	E	M	т	A	•		~	0	M	•	11	1	T	1	ы	•	

Project: MEXURE E.S.			 Date: 1.10.2020
Project Number: 010-45	41		Rotometer No.: HVR/gg_LVR
Laboratory: Tall	Analysis:	TFM	Phila. Requirements: ☐ YES ☐ NO

	SAMPLES		TIME		С	ALIBRA	TION	ANALYTICAL			
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
MS -0110 -01	HILH WOL IN ASSESSENT ENCLOSEDE SUT BOOK	3-A	90141	DOIN	180	10.02	10.02	184	6949387		
BAA -0110-02	HIGH USE IN SOFFICE SATE ROOFS	3-A	gosas	pola	180	10.00	10.22	18H.	6949288		
M -PIID -03	ENCLOSING AUT LOSTS.	3-A	90118	12011	180	10.00	10.02	1841	<b>694</b> 9389		
LLA -0110-04	AHAN WA IN BASEASENT ENCLOSURE ANT BOOKS SINE	3-A	SOZAS	1202AS	180	10.00	10.00	184	6949290		
ANS -0110-05	SING UN IN BASENSENT SING SING	3-A	gords	120284	180	10.02	12.02	1804	6949391		
Ans -0110-06	TIMES LOVE STAUSHALL ST STAUS ACTIVERN 15T AND 2000 LEWEL	3-N	905A1	1205/13	180	10.02	10.02	184	6940392		
MA -0110-07	HILL VOL ON 15T FLOOR IN STAULISH FOR MANSHALL ST.	3-N	905A1	1205P4	180	10.02	10.02	1804	6949293		
an -0110 -08	HILH WOL ENTRANCE WESTIBULG MASHAUL	3-N	905 AA	120514	180	10.02	10.00	1841	6940294		

gas U/IV U8	SV	e) MARSHAUU		905 AM	MUSTY	182	10.00	1807		المستور المستور
Samp Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Ar Personnel Clean Area Environmental Clean A	ea R	Aggressive Normal Excursion TWA Representative	6 Hour TA Samples ( Transmitte Received	T Contact: Collected B	y: <u> </u>	Jan,	Hour □:	······································	48 Hour Other at:  Date: 200  Date: 200  Date: 100  Date: 100	

Project: MOWNE E.S.	Date:/ ./w .2020
Project Number: 010 454)	Rotometer No.: HVRSS_LVR
Laboratory: <u>ITIU</u> Analysis: <u>TEM</u>	Phila. Requirements: YES NO

	SAMPLES			TIME		С	ALIBRA	TION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
BAB -0110-08	FOR ROSELSENT ENLIQUES ANT LOOP SIDE.	3-2	906A1	1206A	180	10.00	10.02	1804	69492	95
BAB -0110-10	AUN LOS ESTENT ENCUSURE AUN BOOK SOO.	3-4/	906A	1206As	1812	10.02	12.02	1804	6949:	.9 ទ
<u>-</u> · · · · ·		مسرد و								
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	·									

Samp Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Ar Fersonnel Clean Area Environmental Clean A	<del>-</del> ·	Turnaround Time 6 Hour TAT Contact: Samples Collected By:_ Transmitted to Lab By:_ Received in Lab By: Samples Analyzed By:_	An Sun	 at: Date:	1.10-2020	

e: <u>/·/o·2020</u>
ometer No.: HVR/89_LVR
la. Requirements: ☑ YES ☐ NO

SAMPLES			TIME			CALIBRATION			ANALYTICAL		
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
AAR -0110-11	HILD LOVE IN GTH STARTS VESTIANIE ENTRANCE LEFT SKOS.	3-A	122281	322/Pg	PSD	10.02	10.02	1804	694929	<i>m</i>	
All -0110-12	HEN vol in LIV START CESTALLE ENTRALE LEST SIX	3-A	122245	3222/	180	1002	10.02	1841	694929	8	
MB -0110-13	HIGH VOL IN GTH STREET VEST XULG ENTRACE USFT SUR	34	1223As	322A	180	1000	10.02	1904	694928	) 9	
AUS -0110-14	HILL VOL IN LITH STARTS WESTILLIE ENTRANCE.	3-A	psips	323 Ah	180	10,02	10.02	1844	694)31	) ().	
adb -0110-15	WESTILLE ENTRACE.	3⊀	1212K	323PX	180	10.02	10.02	1.864	69493	)	
SIB -0110-16	FILL GYPS SIDE HALL.	3,~	1225Ph	325 M	180	10.60	10.02	184	694)3	02	
ALL -0110-1)	HIGH USE USTISHER ENT-	3,70	1225 PM	325/X	180	עטוסן	10.00	184	69403	e 3	
BUL -0110-18	AND FOR GTH STREET.	3.4	122614	324M	180	10,02	10-02	1804	6949	304	

3.2 /22	MA SLANA	182			1001		
Turnaround 1	Γime (TAT):	☐ Immed	liate.⊠ 6	6 Hour ☐	24 Hour 🔲	48 Hour 🗌 Other	
						at:	
Samples Collecte	ed By:	Sun			**********************	Date: 1-10-2020	2
	- 10	Meny-				Date: / -/2 -222	<u> </u>
Received in Lab I	Ву:	_/_/_				Date:	
Samples Analyze	ed By:	1/10/20			<u></u>	Date:	
	Turnaround 7 6 Hour TAT Cont Samples Collecte Transmitted to La Received in Lab	Turnaround Time (TAT): 6 Hour TAT Contact: Samples Collected By:	Turnaround Time (TAT): Immed 6 Hour TAT Contact: Samples Collected By: Transmitted to Lab By: Received in Lab By:	Turnaround Time (TAT): Immediate 6 6 Hour TAT Contact: Samples Collected By: Transmitted to Lab By: Received in Lab By:	Turnaround Time (TAT): Immediate 6 Hour 6 Hour TAT Contact: Samples Collected By: Transmitted to Lab By: Received in Lab By:	Turnaround Time (TAT): Immediate 6 Hour 24 Hour 6 Hour TAT Contact:  Samples Collected By:  Transmitted to Lab By:  Received in Lab By:	Turnaround Time (TAT): Immediate 6 Hour 24 Hour 48 Hour Other 6 Hour TAT Contact: at:  Samples Collected By: Date: 1-10-2020  Transmitted to Lab By: Date: D

Project: MUNUE E.	<u> </u>	Date: 1.10-2020	
Project Number: <u>015-45</u>	41	Rotometer No.: HVR_/8/_LVR_	
Laboratory: <u>TATU</u>	Analysis: <i>TEf</i>	Phila. Requirements: YES	] NO

	SAMPLES		TIME			С	ALIBRAT	TION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
MB -0110-19	HILL WOL 1ST FLOOR BY GTA STREET ENTLYNCE.	3-AV	226A5	32 <i>6A</i> 5	180	10.00	10.02	1804	6949308	· •
ALS -0110-20	STANLAN IST FLOOR	3W	126M	32 <del>4</del> /K	180	10,02	1000	1804	694930.	
BM -0110-21	FIELD BLANK			1	/	1	/	/	6949391	7
lug -0110-32	FIELD BLANK	1	1	/	/	/	1	/	694930	
BM -0110-23	SERVED BERUX	1	/	/	/	/	1		694930	<b>)</b>

				,						
Sampling (	Turnaroun	Turnaround Time (TAT): ☐ Immediate 🗹 6 Hour 🗌 24 Hour 🗌 48 Hour 🗍 Other								
Diagnostic	A Aggressive	6 Hour TAT Co	ontact:				<u> </u>	at:		
Preliminary Clearance/Final	Normal E Excursion	Samples Colle	cted By:	Sum				Date: 1.10 2024		
Personnel Work Area	T TWA		Lab By: An					Date: 1.10 .2024	<u> </u>	
Environmental Work Area Personnel Clean Area	Representative	Received in La	ab By:	11				Date:		
Environmental Clean Area		Samples Analy	/zed By:	j/ 420				Date:		



Client:	Synertech Inc.			Batch No.:	607597
	228 Moore Street			Project:	McClure ES
	Philadelphia, PA	19148		Project No.:	010-4547
Client No.:	SYN177			Philly Regs:	Y
				Turn-Around Time:	6 Hour Rush
Client Contac	ets:		Laboratory	y Contacts:	
Contacts:			Contacts:	Frank E. Ehrenfeld III	
Phone:			Phone:	(856) 231-9449	
Fax:			Fax:	(856) 231-9818	
Cell/Pager:			Cell/Pager:	(609) 929-4211	
E-Mail:			E-Mail:	frankehrenfeld@iatl.c	om
Chain of Cus	tody:				
Samples Taken	in Field:		Date:		Time:
Samples Rec'd a	at Laboratory:		Date:		Time:
Samples Analyz	ed:	T. Barkley	Date:	1/10/2020	Time:
Preliminary Res	ults Faxed:		Date:		Time:
Preliminary Res	sults E-Mail:		Date:		Time:
			ımary Data Flectron Microsco	NDV	

## Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	Comments	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
BRB-0110-01	6949287	1804	None Detected	< 19.2	< 0.0041
BRB-0110-02	6949288	1804	None Detected	< 19.2	< 0.0041
BRB-0110-03	6949289	1804	None Detected	< 19.2	< 0.0041
BRB-0110-04	6949290	1804	Chrysotile	19.2	0.0041
BRB-0110-05	6949291	1804	None Detected	< 19.2	< 0.0041
BRB-0110-06	6949292	1804	None Detected	< 19.2	< 0.0041
BRB-0110-07	6949293	1804	None Detected	< 19.2	< 0.0041
BRB-0110-08	6949294	1804	None Detected	< 19.2	< 0.0041
BRB-0110-09	6949295	1804	Chrysotile	19.2	0.0041
BRB-0110-10	6949296	1804	None Detected	< 19.2	< 0.0041

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1836
Phila. Regulations Clearance Criteria is 0.00554	4 s/cc based on 5 samples	Geo = 0.0041	· · · · · · · · · · · · · · · · · · ·	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM AHERA.001

Revision Date: 10/06/18



Client:	Synertech Inc.			Batch No.:	607597	
	228 Moore Street			Project:	McClure ES	
	Philadelphia, PA	19148		Project No.:	010-4541	
Client No.:	SYN177			Philly Regs:	Y	
				Turn-Around Time:	6 Hour Rush	
Client Contacts:		Laboratory	Laboratory Contacts:			
Contacts:			Contacts:	Frank E. Ehrenfeld III		
Phone:	Phone:			(856) 231-9449		
Fax:	Fax:			(856) 231-9818		
Cell/Pager:			Cell/Pager:	(609) 929-4211		
E-Mail:			E-Mail:	frankehrenfeld@iatl.co	<u>om</u>	
Chain of Cust	tody:					
Samples Taken	in Field:		Date:		Time:	
Samples Rec'd a	nt Laboratory:		Date:		Time:	
Samples Analyz	ed:	T. Barkley	Date:	1/10/2020	Time:	
Preliminary Res	ults Faxed:		Date:		Time:	
Preliminary Res	ults E-Mail:		Date:	***************************************	Time:	
Summary Data Transmission Floatron Missasson						

## Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	Comments	Results	Results
Sample ID #	Sample ID#	(L)	Comments	s/mm²	s/cc
BRB-0110-11	6949297	1804	Chrysotile	57.7	0.012
BRB-0110-12	6949298	1804	Chrysotile	38.5	0.0082
BRB-0110-13	6949299	1804	Chrysotile	19.2	0.0041
BRB-0110-14	6949300	1804	Chrysotile	19.2	0.0041
BRB-0110-15	6949301	1804	Chrysotile	19.2	0.0041
BRB-0110-16	6949302	1804	Chrysotile	38.5	0.0082
BRB-0110-17	6949303	1804	Chrysotile	19.2	0.0041
BRB-0110-18	6949304	1804	None Detected	< 19.2	< 0.0041
BRB-0110-19	6949305	1804	Chrysotile Amosite	38.5	0.0082
BRB-0110-20	6949306	1804	Chrysotile	38.5	0.0082

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm²) =	30.8	Grid Box #:	1837
Phila. Regulations Clearance Criteria is 0.00554 s	cc based on 5 samples	Geo = 0.00602		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	III

Sample analysis terminated. Set fails by Phila. Regulations. (Geometric mean > 0.00554 s/cc)

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

TEM.AHERA.001

Revision Date: 10/06/18



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Density (s/mm<sup>2</sup>):** <19.2

**Asbestos Type(s):** None Detected

**Lab No.:** 6949287 **Volume:** 1804.0 L

**Location:** High Vol. In Basement Enclosure Art **Concentration (s/cc):** <0.0041 **Client No.:** BRB-0110-01 Asbestos Type(s): None Detected

Room Side

Date Sampled: 1/10/20

Lab No.: 6949288 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-02

**Location:** High Vol. In Basement Enclosure Art Concentration (s/cc): <0.0041 Room Side **Asbestos Type(s):** None Detected

Date Sampled: 1/10/20

Lab No.: 6949289 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-03 **Location:** High Vol. In Basement Enclosure Art **Concentration (s/cc):** <0.0041

Room Side

Date Sampled: 1/10/20

Lab No.: 6949290 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0110-04 **Location:** High Vol. In Basement Enclosure Art Concentration (s/cc): 0.0041 **Asbestos Type(s):**Chrysotile

Room Side Date Sampled: 1/10/20

Lab No.: 6949291 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-05 **Location:** High Vol. In Basement Enclosure Art Concentration (s/cc): <0.0041 Room Side Asbestos Type(s): None Detected

Date Sampled: 1/10/20

Lab No.: 6949292 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-06

Location: High Vol. Marshall St. Stairs Between Concentration (s/cc): <0.0041 1st And 2nd Level Asbestos Type(s): None Detected

**Date Sampled:** 1/10/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received:

01/10/2020 Date Analyzed: 1-2-1-35

Signature: Tom Barkley Analyst:

Dated: 1/13/2020 3:58:37 Page 1 of 5 Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6949293 **Volume:** 1804.0 L

**Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-07 Concentration (s/cc): <0.0041 **Location:** High Vol. On 1st Floor In Stairwell Asbestos Type(s): None Detected

For Marshall St.

Date Sampled: 1/10/20

Lab No.: 6949294 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** BRB-0110-08 **Location:** High Vol. Entrance Vestibule Marshall Concentration (s/cc): <0.0041 **Asbestos Type(s):**None Detected

Date Sampled: 1/10/20

Lab No.: 6949295 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2

Location: High Vol. Outside Decon For **Client No.:** BRB-0110-09 Concentration (s/cc): 0.0041

Basement Enclosure Art Room Side **Asbestos Type(s):**Chrysotile Date Sampled: 1/10/20

Lab No.: 6949296 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-10 **Location:** High Vol. Outside Decon For Concentration (s/cc): <0.0041

Basement Enclosure Art Room Side **Asbestos Type(s):**None Detected

**Date Sampled:** 1/10/20

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6949297 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>): 57.7** 

Concentration (s/cc): 0.012 **Client No.:** BRB-0110-11 **Location:** High Vol. In 6th St. Vestibule Asbestos Type(s): Chrysotile Entrance Left Side

Date Sampled: 1/10/20

Lab No.: 6949298 **Volume:** 1804.0 L **Density (s/mm²):** 38.5

Location: High Vol. In 6th St. Vestibule **Client No.:** BRB-0110-12 Concentration (s/cc): 0.0082

Entrance Left Side Asbestos Type(s): Chrysotile

Date Sampled: 1/10/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020

Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Dated: 1/13/2020 3:58:37 Page 2 of 5 Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

Signature:

Analyst:

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6949299 **Density (s/mm²):** 19.2 **Volume:** 1804.0 L

**Client No.:** BRB-0110-13 Concentration (s/cc): 0.0041 **Location:** High Vol. In 6th St. Vestibule

Entrance Left Side Asbestos Type(s): Chrysotile Date Sampled: 1/10/20

**Lab No.:** 6949300 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** BRB-0110-14 **Location:** High Vol. In 6th St. Vestibule Concentration (s/cc): 0.0041

Entrance Left Side **Asbestos Type(s):**Chrysotile Date Sampled: 1/10/20

**Lab No.:** 6949301 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** 19.2

**Client No.:** BRB-0110-15 Location: High Vol. In 6th St. Vestibule Concentration (s/cc): 0.0041

Entrance Left Side **Asbestos Type(s):**Chrysotile Date Sampled: 1/10/20

Lab No.: 6949302 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>): 38.5** 

**Client No.:** BRB-0110-16 **Location:** High Vol. Outside Decon For Gym Concentration (s/cc): 0.0082

**Asbestos Type(s):**Chrysotile

Date Sampled: 1/10/20

Lab No.: 6949303 **Volume:** 1804.0 L **Density (s/mm²):** 19.2

**Client No.:** BRB-0110-17 **Location:** High Vol. Vestibule Entrance For 6th Concentration (s/cc): 0.0041

**Asbestos Type(s):**Chrysotile Date Sampled: 1/10/20

Lab No.: 6949304 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** BRB-0110-18 **Location:** High Vol. Vestibule Entrance For 6th Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

**Date Sampled:** 1/10/20

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: Approved By: 01/10/2020 Date Analyzed:

Frank E. Ehrenfeld, III 2-1-21 Laboratory Director

Dated: 1/13/2020 3:58:37 Page 3 of 5

Tom Barkley



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6949305 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>): 38.5** 

**Client No.:** BRB-0110-19 **Location:** High Vol. 1st Floor By 6th St. Concentration (s/cc): 0.0082

Asbestos Type(s): Chrysotile Entrance

Date Sampled: 1/10/20 Amosite

**Lab No.:** 6949306 **Volume:** 1804.0 L **Density (s/mm<sup>2</sup>): 38.5** 

Location: High Vol. In 6th St. Stairwell 1st Floor Concentration (s/cc): 0.0082 **Client No.:** BRB-0110-20

**Date Sampled:** 1/10/20 Asbestos Type(s): Chrysotile

Geometric Mean = 0.00602 Structures/cc

Note: Sample analysis terminated. Clearance criteria exceeded (geometric mean >0.00554 s/cc). Set fails by Philadelphia Regulations.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/10/2020

Date Analyzed:

01/10/2020

Signature:

Tom Barkley Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 1/13/2020 3:58:37 Page 4 of 5



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Client: SYN177 Project No.: 010-4541

## Appendix to Analytical Report:

**Customer Contact:** Jacqueline McMahon **Method:** 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

### **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

Dated: 1/13/2020 3:58:37 Page 5 of 5



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949287 **Volume (L):** 1804.0 L

**Client No.:** BRB-0110-01 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol. In Basement Enclosure Art Pore Size (µm): 0.45

Room Side

**Grid Openings: 4 Asbestos Structures:** None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6949288 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0110-02 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol. In Basement Enclosure Art Pore Size (µm): 0.45

Room Side

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

> Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number:

Asbestos Type(s): None Detected

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/10/2020

Date Analyzed:

01/10/2020

Signature:

Tom Barkley Analyst:

Dated: 1/13/2020 3:58:38

**Detection Limit (s/cc):** 0.0041

**EDXA Spectrum ID:** 

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 11



Client: SYN177

**EDXA Spectrum ID:** 

**EDXA Spectrum ID:** 

Dated: 1/13/2020 3:58:38

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949289 **Volume (L):** 1804.0 L Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0110-03 Date Sampled: 1/10/20

Location: High Vol. In Basement Enclosure Art Pore Size (µm): 0.45

Room Side

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Lab No.: 6949290 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-04 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

Location: High Vol. In Basement Enclosure Art Pore Size (µm): 0.45

Room Side

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected

Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile

Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Page 2 of 11



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949291 **Volume (L):** 1804.0 L Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0110-05 Date Sampled: 1/10/20

Location: High Vol. In Basement Enclosure Art Pore Size (µm): 0.45

Room Side

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**EDXA Spectrum ID:** 

Lab No.: 6949292 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-06 Filter Size (mm<sup>2</sup>): 385 **Date Sampled:** 1/10/20

Location: High Vol. Marshall St. Stairs Between Pore Size (µm): 0.45

1st And 2nd Level

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:38 Page 3 of 11



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949293 **Volume (L):** 1804.0 L Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0110-07 Date Sampled: 1/10/20

Location: High Vol. On 1st Floor In Stairwell **Pore Size (µm):** 0.45

For Marshall St.

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6949294 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-08 **Date Sampled:** 1/10/20

Filter Size (mm<sup>2</sup>): 385

Location: High Vol. Entrance Vestibule Marshall Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

**EDXA Spectrum ID:** 

1/10/2020

Date Analyzed:

01/10/2020

Signature:

Tom Barkley Analyst:

Dated: 1/13/2020 3:58:38

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 4 of 11



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949295 **Volume (L):** 1804.0 L **Date Sampled:** 1/10/20 **Client No.:** BRB-0110-09

Filter Size (mm<sup>2</sup>): 385 Location: High Vol. Outside Decon For **Pore Size (µm):** 0.45 Basement Enclosure Art Room Side

**Grid Openings: 4** Asbestos Structures: 1

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile **EDXA Spectrum ID:** 

Lab No.: 6949296 **Volume (L):** 1804.0 L Filter Type: MCE

**Client No.:** BRB-0110-10 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol. Outside Decon For **Pore Size (µm):** 0.45

Basement Enclosure Art Room Side

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 1/13/2020 3:58:38 Page 5 of 11



Client: SYN177

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013

**EDXA Spectrum ID:** 

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6949297 **Date Sampled:** 1/10/20 **Client No.:** BRB-0110-11

Filter Size (mm<sup>2</sup>): 385 Pore Size (µm): 0.45 Location: High Vol. In 6th St. Vestibule

Entrance Left Side

**Asbestos Structures: 3** Non-Asbestos Structures: None Detected

Filter Type: MCE

**Pore Size (µm):** 0.45

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 3 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected **Detection Limit (s/cc):** 0.0041

Structure Density (s/mm<sup>2</sup>): 57.7 **Structure Concentration (s/cc):** 0.012

Micrograph Number: **Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

Lab No.: 6949298 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-12 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

Location: High Vol. In 6th St. Vestibule

Entrance Left Side

**Grid Openings: 4 Asbestos Structures: 2** Non-Asbestos Structures: None Detected

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 38.5 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): 0.0082

Asbestos Type(s): Chrysotile Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Dated: 1/13/2020 3:58:39

Signature:

Tom Barkley Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 6 of 11



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6949299 Filter Type: MCE **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0110-13

Location: High Vol. In 6th St. Vestibule **Pore Size (µm):** 0.45

Entrance Left Side

**Grid Openings: 4** Asbestos Structures: 1 Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

**Lab No.:** 6949300 **Volume (L):** 1804.0 L **Client No.:** BRB-0110-14

**Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 Location: High Vol. In 6th St. Vestibule **Pore Size (µm):** 0.45

Entrance Left Side

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile Micrograph Number:

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:39 Page 7 of 11



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES

Project No.: 010-4541 Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949301 **Volume (L):** 1804.0 L Filter Type: MCE **Date Sampled:** 1/10/20 **Client No.:** BRB-0110-15

Filter Size (mm<sup>2</sup>): 385 Location: High Vol. In 6th St. Vestibule Pore Size (µm): 0.45

Entrance Left Side

**Grid Openings: 4** Asbestos Structures: 1 Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

Lab No.: 6949302 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-16 **Date Sampled:** 1/10/20

Filter Size (mm<sup>2</sup>): 385 Location: High Vol. Outside Decon For Gym **Pore Size (µm):** 0.45

Side Hall

**Grid Openings: 4 Asbestos Structures: 2** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): 38.5 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): 0.0082

Asbestos Type(s): Chrysotile Micrograph Number:

**EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:39 Page 8 of 11



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES Project No.: 010-4541

Client: SYN177

Opening Area (mm<sup>2</sup>): 0.013

**EDXA Spectrum ID:** 

# TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1804.0 L Lab No.: 6949303 Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Client No.:** BRB-0110-17 Date Sampled: 1/10/20

Location: High Vol. Vestibule Entrance For 6th Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures: 1** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): 0.0041

Micrograph Number: **Asbestos Type(s):**Chrysotile **EDXA Spectrum ID:** 

Lab No.: 6949304 **Volume (L):** 1804.0 L Filter Type: MCE **Client No.:** BRB-0110-18 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

Location: High Vol. Vestibule Entrance For 6th Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: 01/10/2020 Date Analyzed:

Signature: Tom Barkley Analyst:

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 1/13/2020 3:58:39 Page 9 of 11



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/10/2020

228 Moore Street Report No.: 607597 - TEM AHERA

Philadelphia PA 19148 Project: McClure ES
Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6949305
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0110-19
 Date Sampled: 1/10/20
 Filter Size (mm²): 385

Location: High Vol. 1st Floor By 6th St.

Pore Size (µm): 0.45

Entrance

Grid Openings: 4 Asbestos Structures: 2 Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: 1
Structure Density (s/mm²): <19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: 1 Structure Concentration (s/cc): <0.0041 Detection Limit (s/cc): 0.0041 Structure Density (s/mm<sup>2</sup>): 38.5 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): 0.0082

Micrograph Number: Asbestos Type(s): Chrysotile EDXA Spectrum ID: Amosite

 Lab No.: 6949306
 Volume (L): 1804.0 L
 Filter Type: MCE

 Client No.: BRB-0110-20
 Date Sampled: 1/10/20
 Filter Size (mm²): 385

**Location:** High Vol. In 6th St. Stairwell 1st Floor **Pore Size (µm):** 0.45

Grid Openings: 4 Asbestos Structures: 2 Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: 2
Structure Density (s/mm²): <19.2

 Sensitivity (s/mm²): 19.2
 Structures ≥ 5.0 μm: None Detected
 Structure Concentration (s/cc): <0.0041</th>

 Detection Limit (s/cc): 0.0041
 Structure Density (s/mm²): 38.5
 Non-Asbestos Type(s): None Detected

Micrograph Number: Structure Concentration (s/cc): 0.0082

Asbestos Type(s): Chrysotile

EDXA Spectrum ID:

Geometric Mean = 0.00602 Structures/cc

Note: Sample analysis terminated. Clearance criteria exceeded (geometric mean >0.00554 s/cc). Set fails by Philadelphia Regulations.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/10/2020
Date Analyzed: 01/10/2020

Signature:
Analyst:
Tom Barkley

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:39 Page 10 of 11

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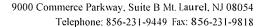
228 Moore Street • Philadelphia, Pennsylvania 19148 Phone 215-755-2305 • Fax 215-755-2405 www.gosynertech.com

Ba	Se Men			. í		
Project: Mc	Clure	ELe	wen tar	Date:	1-	10-20
Project Number: _		45	9/	Rotom	eter No.: H\	/R_\_LVR
Laboratory:	Α	Analysis:	TEM	Phila.	Requiremen	nts: 🛮 YES 🗌 NO

# AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES		IPLE LO	TIME			ALIBRAT	TION	ANALYTIC	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
ATS-01-01	IN Basement Cor town ment near marshall St. Star		374 PM	6:14 pm	180	16	10	1800	6949365	
ATS- 01-02	IN KINDErgarten	3H	3'14 PM	6:14 PM	180	16	10	1800	6949366	
ATS 61 03	Near Boiler Room door	3A	3:14 pm	6:19 Pun	180	10	10	1800	6949367	
ATS 01 04		3A	3:14 PW	6:14 PW	180	10	10	1800	6949368	
ATS- 61-05	10 Base ment Hallway Bet ween swit swg	3A	3:14 Pm	6:14 Pm	180	10	10	1800	6949369	
ATS-01-06	OC Blank Field Ponot analyze	-							69493 <b>7</b> 0	
ATS-01-07	Do not analyze								JAN 10 2020 6949371	<b>&amp;</b> 7
ATS-01-08	Q C Blank				·			IAT	6949372	The second secon

10 1 Do not Analy		0949372
Sampling Codes  Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Area Environmental Clean Area Environmental Clean Area	Turnaround Time (TAT): Immediate 6 Hour 24 Hour 6 Hour TAT Contact: R + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 +	
	Pill.	1-13-20





# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No .:		607603			
	228 Moore Str	eet		Project:	BASEN	MENT 6TH ST MCCLURE			
	Philadelphia, P	A 19148		Project No.:		010-4541			
Client No.:	SYN177			Philly Regs:	Y	7			
				Turn-Around	Γime:	6 Hour Rush			
Client Contac	ets:		Laborator	y Contacts:					
Contacts:			Contacts:	Frank E. Ehrenf	eld III				
Phone:			Phone:	(856) 231-9449					
Fax:			Fax:	(856) 231-9818	(856) 231-9818				
Cell/Pager:			Cell/Pager:	(609) 929-4211	09) 929-4211				
E-Mail:			E-Mail:	frankehrenfeld@	nkehrenfeld@iatl.com				
Chain of Cus	tody:								
Samples Taken	in Field:		Date:		7	Γime:			
Samples Rec'd a	nt Laboratory:	C. Enoch	Date:	1/10/2020	) ]	Γime:			
Samples Analyz	æd:	S. Chinnamaneni	Date:	1/11/2020	) ]	Γime:			
Preliminary Results Faxed:			Date:		]	lime:			
Preliminary Res	sults E-Mail:		Date:			Time:			
	Summary Data								

# Summary Data Transmission Electron Microscopy AHERA 40CFR 763

Client	IATL	Volume	C	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
ATS 0110 01	6949365	1800	None Detected	< 19.2	< 0.0041
ATS 0110 02	6949366	1800	Amosite	19.2	0.0041
ATS 0110 03	6949367	1800	Chrysotile	19.2	0.0041
ATS 0110 04	6949368	1800	None Detected	< 19.2	< 0.0041
ATS 0110 05	6949369	1800	Chrysotile	19.2	0.0041
L					

AHERA Clerance Criteria is 70 s/mm².	Average $(s/mm^2) =$	19.2	Grid Box #:	1835
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	II

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revi



Client: SYN177

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/11/2020

228 Moore Street Report No.: 607603 - TEM AHERA

Philadelphia PA 19148 Project: McClure Elementary; Basement 6th St.

> Project No.: 010-4541

> > **Density (s/mm<sup>2</sup>):** <19.2

**Density (s/mm<sup>2</sup>):** 19.2

# TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6949365 **Volume:** 1800.0 L

Concentration (s/cc): <0.0041 **Client No.:** ATS-0110-01 **Location:** In Basement Containment Near

Asbestos Type(s): None Detected Marshall St. Stair Date Sampled: 1/10/20

**Lab No.:** 6949366 **Volume:** 1800.0 L

**Client No.:** ATS-0110-02 **Location:** In Kindergarten 011 Concentration (s/cc): 0.0041 Date Sampled: 1/10/20 Asbestos Type(s): Amosite

Lab No.: 6949367 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** 19.2

**Client No.:** ATS-0110-03 Location: In Basement Near Boiler Room Door Concentration (s/cc): 0.0041 Date Sampled: 1/10/20 Asbestos Type(s): Chrysotile

Lab No.: 6949368 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: In Basement Near Decon **Client No.:** ATS-0110-04 Concentration (s/cc): <0.0041 Date Sampled: 1/10/20 Asbestos Type(s): None Detected

**Lab No.:** 6949369 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** 19.2

**Client No.:** ATS-0110-05 Concentration (s/cc): 0.0041 **Location:** In Basement Hallway Between SW 1 And SW 9 Asbestos Type(s): Chrysotile

**Date Sampled:** 1/10/20

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received:

01/11/2020 Date Analyzed:

Satya Vani Signature: Satya Chinnamaneni Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:58:43 Page 1 of 2



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 1/11/2020

228 Moore Street Report No.: 607603 - TEM AHERA

Philadelphia PA 19148 Project: McClure Elementary; Basement 6th St.

Client: SYN177 Project No.: 010-4541

# Appendix to Analytical Report:

**Customer Contact:** Jacqueline McMahon **Method:** 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

#### General Terms, Warrants, Limits, Qualifiers:

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iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

#### **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

Dated: 1/13/2020 3:58:43 Page 2 of 2



Client: SYN177

Analyst:

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/11/2020

228 Moore Street Report No.: 607603 - TEM AHERA

Philadelphia PA 19148 Project: McClure Elementary: Basement 6th St.

> Project No.: 010-4541

> > Filter Type: MCE

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): 0.0041

Non-Asbestos Type(s): CaS - Gypsum

Structure Density (s/mm<sup>2</sup>): <19.2

Non-Asbestos Type(s): None Detected

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949365 Volume (L): 1800.0 L

**Date Sampled:** 1/10/20 **Client No.:** ATS-0110-01 Filter Size (mm<sup>2</sup>): 385 **Location:** In Basement Containment Near **Pore Size (µm):** 0.45

Marshall St. Stair

**Grid Openings: 4 Asbestos Structures:** None Detected

Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

**Lab No.:** 6949366 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0110-02 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

**Location:** In Kindergarten 011 **Pore Size (µm):** 0.45

**Grid Openings: 4** Asbestos Structures: 1

Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: 1 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 **Structure Concentration (s/cc):** 0.0041

Asbestos Type(s): Amosite Micrograph Number:

**EDXA Spectrum ID:** 7:31:59AM

Lab No.: 6949367 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0110-03 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385 Location: In Basement Near Boiler Room Door Pore Size (µm): 0.45

**Grid Openings: 4 Asbestos Structures:** 1 Non-Asbestos Structures: 1

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structure Density (s/mm<sup>2</sup>): 19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm²): 19.2

Structure Concentration (s/cc): 0.0041

Asbestos Type(s): Chrysotile Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: Approved By: 01/11/2020

Date Analyzed: Frank E. Ehrenfeld, III Salya Vani Signature: Laboratory Director Satya Chinnamaneni

Dated: 1/13/2020 3:58:43 Page 1 of 3



Client: SYN177

**EDXA Spectrum ID:** 

Analyst:

Geometric Mean = 0.0041 Structures/cc

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/11/2020

228 Moore Street Report No.: 607603 - TEM AHERA

Philadelphia PA 19148 Project: McClure Elementary; Basement 6th St.

> Project No.: 010-4541

# TEM AIR SAMPLE ANALYSIS DETAILS

Volume (L): 1800.0 L Lab No.: 6949368 Filter Type: MCE **Client No.:** ATS-0110-04 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

**Location:** In Basement Near Decon **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected

**EDXA Spectrum ID:** 

Lab No.: 6949369 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-0110-05 **Date Sampled:** 1/10/20 Filter Size (mm<sup>2</sup>): 385

Location: In Basement Hallway Between SW 1 Pore Size (µm): 0.45

And SW 9

**Grid Openings: 4 Asbestos Structures:** 1 Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: 1

Structure Density (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 **Structure Concentration (s/cc):** 0.0041

Asbestos Type(s): Chrysotile Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

1/10/2020 Date Received: Approved By: 01/11/2020 Date Analyzed:

Frank E. Ehrenfeld, III Salya Vani Signature: Laboratory Director Satya Chinnamaneni

Dated: 1/13/2020 3:58:44 Page 2 of 3 228 Moore Street • Philadelphia, Pennsylvania 19148 Phone 215-755-2305 • Fax 215-755-2405 www.gosynertech.com

Project: MUUNK SCHOOL	Date: / - /スースの
Project Number: 016 - 4547	Rotometer No.: HVR LVR

Laboratory: / Analysis: 1000 Phila. Requirements: YES NO WINA AIR SAMPLE LOG & CHAIN OF CUSTODY

<i>_</i>	AIK SAIN	IPLE LU	G & CH	AIN OF C	COSION	<i>)</i>		MHORM		
SAMPLES No. Location Code				TIME			rion	ANALYTICAL		
Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results	
CLASSICOM 310	IR	914	12:14	180	10.0	10.0	1800	,		
OF Norm		PM	pm	min	ugn	ugen	, ,	6949491		
3RD FLOUR HALL	11	915	9215	180	100	10.0	1800			
308	//	AM	may	MIN	wm	MM		6949492		
	12	9:17	1017	180	100	10.0	1800	C040402	,	
303	// \	AM	m	MIN	UM	WAN	1000	6949493		
THE FLACK HALL	IR	917	1217	180	10.0	10.0	1800	604040		
305		AM	pm	MIN	Win	WM		0949494		
CONTOR OF	IR	9118	1218	180	10.0	10.0	1800	6949495		
304 A		An	PM	MIN	um	was		-54040		
				*						
				·		,				
						. 5 %	16			
	SAMPLES Location  CLASSMOON  310, CENTUR  OF PLOUN HALL  O/S CLASSMOON  308  BROFLICH HALL  O/S CLASSMOON  303  BROFLICH HALL  O/S CLASSMOON  305  CLASSMOON  CLASSMOON  305  CLASSMOON	SAMPLES Location Code  CLASSMOON  310, CONTINE  OF ROWN  320 FLOWN HALL  O/S CLASSMOON  308  BROFLICH HALL  O/S CLASSMOON  303  BROFLICH HALL  O/S CLASSMOON  305  CLASSMOON  A  BROFLICH HALL  O/S CLASSMOON  A  BROFLICH  BROFL  CANTON OF  CLASSMOON  A  BROFLICH  BROFL  BROFL	SAMPLES Location Code On  CLASSICOM ROLL  OF ROLL  OF ROLL  SED FLOW HALL  O/S CLASSICAM / MISS  BRO FLOW HALL  O/S CLASSICAM / MISS  CLASSICAM / MISS	SAMPLES Location Code On Off  CLASSMOON 310, CENTINE OF ROWN SALD FLOWN HAKE 0/5 CLASSMOON 308 BROFLOWN HAKE O/5 CLASSMOON O/5 CLASSMOON 303 BROFLOWN HAKE O/5 CLASSMOON 303 BROFLOWN HAKE O/5 CLASSMOON AMD PAN SON BROFLOWN HAKE O/5 CLASSMOON AMD PAN SON O/5 CLASSMOON AMD PAN O/5 CLASSMO	SAMPLES  Location  Code  On  Off  Total  CLASSMOON  310, CUNTICK  OF PLOWN  BRO FLOWN HALL  O/S CLASSMOON  308  BRO FLOWN HALL  O/S CLASSMOON  308  BRO FLOWN HALL  O/S CLASSMOON  BRO FLOWN HALL  BRO	SAMPLES  Location  Code  On  Off  Total  Start  CLASSICOM  310, CLASSICOM  OF ROWN  320 FLOW HALL  O/S CLASSICOM  308  BED FLOW HALL  O/S CLASSICOM  308  BED FLOW HALL  O/S CLASSICOM  303  BED FLOW HALL  O/S CLASSICOM  303  BED FLOW HALL  O/S CLASSICOM  303  BED FLOW HALL  O/S CLASSICOM  BED FLOW HALL  BE	Location   Code   On   Off   Total   Start   Finish	SAMPLES	SAMPLES	

Sam	plina	Codes
~~	P 3	

	The second secon
7	Diagnostic
	Diagnosio

6	Personnel Clean Area
	<b>Environmental Clean Area</b>

Α	Aggressive

Normal Excursion

TWA

Representative

Turnaround Time	(TAT): 🔲 Immediate 🗸	6 Hour 🗌 24 Hour 🔲 4	8 Hour 🗌 Other
6 Hour TAT Contact:	RYAN	a	<u> </u>
Samples Collected By:_	5. MOUINO	a W M)> MAL	ate: 1-12-20
	S. MOULINO	هـ ". الله الله الله الله الله الله الله الل	ate: 1-12-20
Received in Lab By:		BY +OT D	ate:
Samples Analyzed By:_	50 1/12/20 .	ette D	ate:
	OW KIM rel	1/2/107d	•
	Ot 1.1 Dir V	1 116100	

Preliminary

Clearance/Final

Personnel Work Area

<sup>5</sup> Environmental Work Area



# PRELIMINARY RESULTS Airborne Asbestos Analysis **TEM AHERA**

Client:	Synertech Inc.			Batch No.:	607619			
	228 Moore Stre	et		Project:	McClure Elementary			
	Philadelphia, P.	A 19148		Project No.:	010-4541			
Client No.:	SYN177			Philly Regs:	Y			
				Turn-Around Time:	6 Hour Rush			
Client Contac	cts:		Laboratory	y Contacts:				
Contacts:			Contacts:	Frank E. Ehrenfeld III				
Phone:			Phone:	(856) 231-9449				
Fax:			Fax:	(856) 231-9818				
Cell/Pager:	Cell/Pager:			(609) 929-4211				
E-Mail:	E-Mail: frankehrenfeld@iatl.co				<u>om</u>			
Chain of Cus	tody:							
Samples Taken	<del></del>	Client	Date:	1/12/2020	Time:			
Samples Rec'd a	nt Laboratory:	S. Glanville	Date:	1/12/2020	Time:			
Samples Analyz	æd:	J. Jeon	Date:	1/12/2020	Time:			
Preliminary Res	sults Faxed:		Date:		Time:			
Preliminary Res	sults E-Mail:		Date:		Time:			
		Sur	nmary Data					
			Electron Microsco	py				
			0 A 40CED 763	• •				

# **AHERA 40CFR 763**

Client	IATL	Volume	6	Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
SJM-0112-14	6949491	1800	None Detected	< 19.2	< 0.0041
SJM-0112-15	6949492	1800	None Detected	< 19.2	< 0.0041
SJM-0112-16	6949493	1800	None Detected	< 19.2	< 0.0041
SJM-0112-17	6949494	1800	None Detected	< 19.2	< 0.0041
SJM-0112-18	6949495	1800	None Detected	< 19.2	< 0.0041
<u> </u>					

AHERA Clerance Criteria is 70 s/mm <sup>2</sup> .	Average $(s/mm^2) =$	19.2	Grid Box #:	1838
Phila. Regulations Clearance Criteria is 0.00554 s/cc		Geo = 0.0041		
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results. TEM.AHERA.001



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607619 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Project No.: 0104541

Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6949491Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: SJM-0112-14Location: Classroom 310 Center Of RoomConcentration (s/cc): <0.0041</td>Date Sampled: 1/12/20Asbestos Type(s): None Detected

Lab No.: 6949492 Volume: 1800.0 L
Client No.: SJM-0112-15 Location: 3rd Floor Hall 0/S Classroom 308
Date Sampled: 1/12/20 Asbestos Type(s): None Detected

 Lab No.: 6949493
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: SJM-0112-16
 Location: 3rd Floor Hall 0/S Classroom 303
 Concentration (s/cc): <0.0041</th>

 Date Sampled: 1/12/20
 Asbestos Type(s): None Detected

 Lab No.: 6949494
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: SJM-0112-17
 Location: 3rd Floor Hall 0/S Classroom 305
 Concentration (s/cc): <0.0041</td>

 Date Sampled: 1/12/20
 Asbestos Type(s): None Detected

 Lab No.: 6949495
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: SJM-0112-18
 Location: Center Of Classroom 306A
 Concentration (s/cc): <0.0041</td>

 Date Sampled: 1/12/20
 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/12/2020
Date Analyzed: 01/12/2020

Signature:
Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:59:13 Page 1 of 2



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607619 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 0104541

# Appendix to Analytical Report:

Customer Contact: Jacqueline McMahon Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

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iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

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Dated: 1/13/2020 3:59:13 Page 2 of 2



**EDXA Spectrum ID:** 

Analyst:

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607619 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 0104541

# TEM AIR SAMPLE ANALYSIS DETAILS

 Lab No.: 6949491
 Volume (L): 1800.0 L
 Filter Type: MCE

 Client No.: SJM-0112-14
 Date Sampled: 1/12/20
 Filter Size (mm²): 385

**Location:** Classroom 310 Center Of Room **Pore Size (μm):** 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2Structures ≥ 5.0 μm: None DetectedStructure Concentration (s/cc): <0.0041</th>Detection Limit (s/cc): 0.0041Structure Density (s/mm²): ≤19.2<br/>Structure Concentration (s/cc): <0.0041</td>Non-Asbestos Type(s): None Detected

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

 Lab No.: 6949492
 Volume (L): 1800.0 L
 Filter Type: MCE

 Client No.: SJM-0112-15
 Date Sampled: 1/12/20
 Filter Size (mm²): 385

**Location:** 3rd Floor Hall 0/S Classroom 308 **Pore Size (μm):** 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected
Structure Density (s/mm²): <19.2

Structure Sensitivity (s/mm²): 19.2

Structures ≥ 5.0 μm: None Detected
Structure Concentration (s/cc): <0.0041

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): ≤19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

**Lab No.:** 6949493 **Volume (L):** 1800.0 L **Filter Type:** MCE

Client No.: SJM-0112-16

Date Sampled: 1/12/20
Location: 3rd Floor Hall 0/S Classroom 303

Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm²):  $\leq$ 19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc):  $\leq$ 0.0041

Micrograph Number: Asbestos Type(s): None Detected

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Analyzed: 01/12/2020 Frank E. Ehrenfeld, III
Signature: Laboratory Director

Dated: 1/13/2020 3:59:13 Page 1 of 3

Jhoon Jeon



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607619 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 0104541

Client: SYN177

TEM AIR SAMPLE ANALYSIS DETAILS

Volume (L): 1800.0 L Lab No.: 6949494 Filter Type: MCE **Date Sampled:** 1/12/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** SJM-0112-17

Location: 3rd Floor Hall 0/S Classroom 305 **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041 Micrograph Number: **Asbestos Type(s):** None Detected

**EDXA Spectrum ID:** 

Lab No.: 6949495 Volume (L): 1800.0 L Filter Type: MCE Client No.: SJM-0112-18 **Date Sampled:** 1/12/20 Filter Size (mm<sup>2</sup>): 385

Location: Center Of Classroom 306A **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

1/12/2020 Date Received: Approved By: 01/12/2020

Date Analyzed: Frank E. Ehrenfeld, III Signature: Laboratory Director

Dated: 1/13/2020 3:59:14 Page 2 of 3

Jhoon Jeon

Analyst:

228 Moore Street • Philadelphia, Pennsylvania 19148 Phone 215-755-2305 • Fax 215-755-2405 www.gosynertech.com

Project: ///LOUVILU SUMOUL	Project:	MULURO	SCHOOL
----------------------------	----------	--------	--------

Laboratory: 1916

Project Number: <u>016 - 4541</u>

Rotometer No.: HVR DLVR L

Date: 1-12-20

Phila. Requirements: 

✓ YES 

NO

## AIR SAMPLE LOG & CHAIN OF CUSTODY

	SAMPLES			TIME		С	ALIBRA1	ION	ANALYTI	CAL
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
S\$n-01/2-01	STAINWEU I, VESTIBULT ENCLOSURY	34	9:0Z	1102 pm	180	10.0	10.0	1800		
Smoll-ol		3A	9.02 AM	12:02 PM	180 MIN	10.6	10.0 WM	1800	6949496 6949497	
55m#12-03		3A	9103 pm	1003 pm	180	10.6	10.0	1800	<b>694949</b> 8	-
5m-0112-04	STAIRWELL I, VESTIBULT FICLASURO	34	903 AU	1203 pm	180 MIN	10.6 UM	10.0	1800	6949493	
55m 61/2-05	1) 17	3A	gal An	1204 pm	180 MIN	10.6 490	100 100	1800	<b>6949</b> = - 0	
55m-0112-06		3N 1K	9110 MM	1010 pm	180 MIN	10.0	16.0	1800	6949501	
35m-0112-07	STAINWELL 1, O/S VESTIBULE ENCLOSURE	3N 1K	CD11 AN	1011 pm	180 MN	100 WM	10.0	1800	6949502	
5m-012-08	STAIRNEU 1, 15T FROM STAIR LANDING	3N 1R	1 , ,	12:11 PM	180 M/n	1000 Upn	100 Uga	1800	6949503	

Sampling	a Codes
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1	Di	а	qr	10:	stı	C

- **Environmental Clean Area**

- A Aggressive
  N Normal
  E Excursion
  T TWA
  R Representative

Turnaround Time (TAT): [	☐ Immediate ☑ 6 Hour ☐	24 Hour	□ 48	Hour 🔲	Other _
Hour TAT Contact:			्रें_at: _		

Samples Collected By:_	5	MALLINO	2020
Transmitted to Lab By:			

		· - J ·	·	 	 	 	
Received in	Lab B	y:		 	 	 	

Samples Analyzed By:		
	I fail he	لمر
analysed: 55	1/12/20	(

JAN 12 Stolo	Date: 1 - 17 - 20
- By CA-	Date: /4/1-12
QA: KOME	4 1/13/20

Preliminary

Clearance/Final

Personnel Work Area

**Environmental Work Area** Personnel Clean Area

			4				C	1		J	٢	1	9	ſ	1	<b>'</b> €	2	C	-			Ir	1C.	
E	N	٧	1	R	0	N	M	E	N	T	A	L		c	0	N	5	U	1	T	1	N	G	

228 Moore Street • Philadelphia, Pennsylvania 19148
Phone 215-755-2305 • Fax 215-755-2405
www.gosynertech.com

Project: MU Wat	SINO	<u> </u>	Date: 1-12-26
Project Number: 010-42	541		Rotometer No.: HVR// LVR /
Laboratory: 1970	Analysis: _	TOM	Phila. Requirements: XYES NO

9	osyneriech.com	IR SAN	IPLE LO	G & CH	AIN OF	CUSTOR	Υ		AHMA	
	SAMPLES			TIME				ION	ANALYTIC	
No.	Location	Code	On	Off	Total	Start	Finish	Liters	Laboratory # Fibers/Fields	Results
SMOIR-09	STAIRWELL I, 2000 FLOOR STAIR WANDING STAIRWEU I, 3M	IK 3N	912	12/2	180	10.0	10.0	1800	C040504	
	STAIRMUI, ZE	2112	9112	12112	120	100	10.0	_	6949504	
SON-OIN-10	FLOOR STAIR	3/2	AM	M	min	LAM	um	1800	6949505	
SM0112-11	BLANK -	parane see the till see the paranet see the section of the section						<b>→</b>	E sign	
341)=112 11		رهيون د د							6949506	
Small-12	BUNN.				And the second s			>	6949507	
55m017-13	BLANIC			PROPRIESCO CONTRACTOR DE C		THE PART AND THE P		$\rightarrow$	6949508	
					,		,			

						·			
Diagnostic Preliminary Clearance/Final Personnel Work Area Environmental Work Ar Personnel Clean Area Environmental Clean A	Norea R Rep	gressive 6 mal 5 cursion 5 A 7 oresentative F	3 Hour TAT Samples C Fransmitted Received in	Contact: _ ollected By d to Lab By	5. M	PAN		 <b>48 Hour ☐ Other</b> _ at: Date: <u>/ - / 7 - 2 -</u> Date: Date:	



# PRELIMINARY RESULTS Airborne Asbestos Analysis TEM AHERA

Client:	Synertech Inc.			Batch No.:	607620			
	228 Moore Stree	t		Project:	McClure Elementary			
	Philadelphia, PA	19148		Project No.:	010-4541			
Client No.:	SYN177			Philly Regs:	Υ			
				Turn-Around Tim	e: 6 Hour Rush			
Client Contac	ts:		Laborator	y Contacts:				
Contacts:			Contacts:	Frank E. Ehrenfeld I	III			
Phone:	*****		Phone:	(856) 231-9449				
Fax:			Fax:	(856) 231-9818				
Cell/Pager:			Cell/Pager:	(609) 929-4211				
E-Mail:			E-Mail:	frankehrenfeld@iatl	.com			
Chain of Cust	ody:							
Samples Taken i	n Field:	Client	Date:	1/12/2020	Time:			
Samples Rec'd at	t Laboratory:	S. Glanville	Date:	1/12/2020	Time:			
Samples Analyze		J. Jeon	Date:	1/12/2020	Time:			
Preliminary Resu	The state of the s		Date:		Time:			
Preliminary Resu	ılts E-Mail:		Date:		Time:			
			ımary Data					
		Transmission	<b>Electron Microsco</b>	py				

Client	IATL	Volume		Results	Results
Sample ID #	Sample ID #	(L)	Comments	s/mm²	s/cc
SJM-0112-01	6949496	1800	None Detected	< 19.2	< 0.0041
SJM-0112-02	6949497	1800	None Detected	< 19.2	< 0.0041
SJM-0112-03	6949498	1800	None Detected	< 19.2	< 0.0041
SJM-0112-04	6949499	1800	None Detected	< 19.2	< 0.0041
SJM-0112-05	6949500	1800	None Detected	< 19.2	< 0.0041
SJM-0112-06	6949501	1800	None Detected	< 19.2	< 0.0041
SJM-0112-07	6949502	1800	None Detected	< 19.2	< 0.0041
SJM-0112-08	6949503	1800	None Detected	< 19.2	< 0.0041
SJM-0112-09	6949504	1800	None Detected	< 19.2	< 0.0041
SJM-0112-10	6949505	1800	None Detected	< 19.2	< 0.0041
				<u> </u>	· 0.0041

**AHERA 40CFR 763** 

AHERA Clerance Criteria is 70 s/mm².	Average (s/mm <sup>2</sup> ) =	19.2	Grid Box #:	1838
Phila. Regulations Clearance Criteria is 0.00554 s/	cc based on 5 samples	Geo = 0.0041	-	
Z Test Reults (see attached, if applicable)			Instrument (I, II, III	Ш

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

Revision Date: 10/06/18



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

Project No.: 010-4541 Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6949496 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** SJM-0112-01 **Location:** Stairwell 1, Vestibule Enclosure Date Sampled: 1/12/20 Asbestos Type(s): None Detected **Lab No.:** 6949497 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: Stairwell 1, Vestibule Enclosure Concentration (s/cc): <0.0041 **Client No.:** SJM-0112-02 **Date Sampled:** 1/12/20 Asbestos Type(s): None Detected Lab No.: 6949498 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** SJM-0112-03 **Location:** Stairwell 1, Vestibule Enclosure Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected Date Sampled: 1/12/20 **Lab No.:** 6949499 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** SJM-0112-04 **Location:** Stairwell 1, Vestibule Enclosure Concentration (s/cc): <0.0041 **Date Sampled:** 1/12/20 Asbestos Type(s):None Detected **Lab No.:** 6949500 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** SJM-0112-05 Location: Stairwell 1, Vestibule Enclosure Concentration (s/cc): <0.0041 **Date Sampled:** 1/12/20 Asbestos Type(s): None Detected **Lab No.:** 6949501 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** SJM-0112-06 **Location:** Stairwell 1, Basement Landing Date Sampled: 1/12/20 Asbestos Type(s): None Detected **Density (s/mm²):** <19.2 **Volume:** 1800.0 L **Lab No.:** 6949502 **Location:** Stairwell 1, O/S Vestibule Enclosure Concentration (s/cc): <0.0041 **Client No.:** SJM-0112-07 Date Sampled: 1/12/20 Asbestos Type(s): None Detected **Volume:** 1800.0 L Lab No.: 6949503 **Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** SJM-0112-08 Location: Stairwell 1, 1st Floor Stair Landing **Date Sampled:** 1/12/20 Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/12/2020 Date Received: 01/12/2020 Date Analyzed:

Signature: Jhoon Jeon

Analyst:

Dated: 1/13/2020 3:59:19

Page 1 of 3

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 010-4541

# TEM AIR SAMPLE ANALYSIS SUMMARY

 Lab No.: 6949504
 Volume: 1800.0 L
 Density (s/mm²): <19.2</th>

 Client No.: SJM-0112-09
 Location: Stairwell 1, 2nd Floor Landing Date Sampled: 1/12/20
 Concentration (s/cc): <0.0041</td>

 Asbestos Type(s): None Detected

Lab No.: 6949505 Volume: 1800.0 L Density (s/mm²): <19.2 Client No.: SJM-0112-10 Location: Stairwell 1, 3rd Floor Landing Date Sampled: 1/12/20 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/12/2020
Date Analyzed: 01/12/2020

Signature:
Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 1/13/2020 3:59:19 Page 2 of 3



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 010-4541

# Appendix to Analytical Report:

Customer Contact: Jacqueline McMahon Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

#### <u>Certifications:</u>

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

#### **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

Dated: 1/13/2020 3:59:19 Page 3 of 3



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 010-4541

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949496Volume (L): 1800.0 LFilter Type: MCEClient No.: SJM-0112-01Date Sampled: 1/12/20Filter Size (mm²): 385Location: Stairwell 1, Vestibule EnclosurePore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected
Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2Structures ≥ 5.0 μm: None DetectedStructure Concentration (s/cc): <0.0041</th>Detection Limit (s/cc): 0.0041Structure Density (s/mm²): ≤19.2<br/>Structure Concentration (s/cc): <0.0041</td>Non-Asbestos Type(s): None Detected

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

 Lab No.: 6949497
 Volume (L): 1800.0 L
 Filter Type: MCE

 Client No.: SJM-0112-02
 Date Sampled: 1/12/20
 Filter Size (mm²): 385

**Location:** Stairwell 1, Vestibule Enclosure **Pore Size (μm):** 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected
Structure Density (s/mm²): <19.2

Structures ≥ 5.0 μm: None Detected
Structure Concentration (s/cc): <0.0041

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): ≤19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Client No.: SJM-0112-03

Date Sampled: 1/12/20
Filter Size (mm²): 385
Location: Stairwell 1, Vestibule Enclosure

Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520

Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Concentration (s/cc): <0.0041 Detection Limit (s/cc): 0.0041 Structure Density (s/mm²):  $\leq$ 19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/12/2020 Approved By:

Date Analyzed: 01/12/2020 Frank E. Ehrenfeld, III

Signature:
Analyst:

Laboratory Director

Dated: 1/13/2020 3:59:20 Page 1 of 5

**EDXA Spectrum ID:** 



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA
Philadelphia PA 19148 Project: McClure Elementary

Client: SYN177 Project No.: 010-4541

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949499Volume (L): 1800.0 LFilter Type: MCEClient No.: SJM-0112-04Date Sampled: 1/12/20Filter Size (mm²): 385Location: Stairwell 1, Vestibule EnclosurePore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm²): <19.2

Sensitivity (s/mm²): 19.2 Structures ≥ 5.0 μm: None Detected

Detection Limit (s/cc): 0.0041

Structure Density (s/mm²): ≤19.2
Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected
Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

**EDXA Spectrum ID:** 

Analyst:

 Lab No.: 6949500
 Volume (L): 1800.0 L
 Filter Type: MCE

 Client No.: SJM-0112-05
 Date Sampled: 1/12/20
 Filter Size (mm²): 385

Location: Stairwell 1, Vestibule Enclosure Pore Size (μm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520Structures  $0.5 \mu m$  to  $<5.0 \mu m$ : None Detected
Sensitivity (s/mm²): 19.2Structures  $0.5 \mu m$ : None Detected
Structure Density (s/mm²): <19.2Structure Density (s/mm²): <19.2Structure Density (s/mm²): <19.2Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc):  $\leq 0.0041$ 

Micrograph Number: Asbestos Type(s): None Detected

Client No.: SJM-0112-06

Date Sampled: 1/12/20
Filter Size (mm²): 385
Location: Stairwell 1, Basement Landing
Pore Size (µm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520

Structures 0.5 μm to <5.0 μm: None Detected

Structure Density (s/mm²): <19.2

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Concentration (s/cc): <0.0041 Detection Limit (s/cc): 0.0041 Structure Density (s/mm<sup>2</sup>):  $\leq$ 19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/12/2020 Approved By: Find Find State F

Signature: Frank E. Ehrenfeld, II
Laboratory Director

Dated: 1/13/2020 3:59:20 Page 2 of 5

Jhoon Jeon



Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 010-4541

Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

**Volume (L):** 1800.0 L Lab No.: 6949502 Filter Type: MCE **Date Sampled:** 1/12/20 Filter Size (mm<sup>2</sup>): 385 **Client No.:** SJM-0112-07

**Location:** Stairwell 1, O/S Vestibule Enclosure **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Lab No.: 6949503 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** SJM-0112-08 **Date Sampled:** 1/12/20 Filter Size (mm<sup>2</sup>): 385

Location: Stairwell 1, 1st Floor Stair Landing **Pore Size (μm):** 0.45 Non-Asbestos Structures: None Detected

**Grid Openings: 4** Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected

**EDXA Spectrum ID:** 

Lab No.: 6949504 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** SJM-0112-09 Date Sampled: 1/12/20 Filter Size (mm<sup>2</sup>): 385

**Location:** Stairwell 1, 2nd Floor Landing **Pore Size (μm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Please refer to the Appendix of this report for further information regarding your analysis.

1/12/2020

Date Received: 01/12/2020 Date Analyzed:

Signature: Jhoon Jeon Analyst:

Approved By:

Laboratory Director

Dated: 1/13/2020 3:59:20 Page 3 of 5



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 1/12/2020

228 Moore Street Report No.: 607620 - TEM AHERA Philadelphia PA 19148 Project: McClure Elementary

> Project No.: 010-4541

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6949505

**Client No.:** SJM-0112-10

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Volume (L): 1800.0 L **Date Sampled:** 1/12/20

Location: Stairwell 1, 3rd Floor Landing

Asbestos Structures: None Detected

Structures 0.5 μm to <5.0 μm: None Detected

Structures  $\geq$  5.0  $\mu$ m: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

1/12/2020

Date Analyzed:

Dated: 1/13/2020 3:59:20

01/12/2020

Signature:

Analyst:

Jhoon Jeon

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 4 of 5