



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819983
Analysis ID: 51819983_PLM
Date Received: 8/3/2018
Date Reported: 8/8/2018

Project: Crompton & Knowles - building 13 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
13-8-2	Wallboard (No joint compound)	None Detected	5% Cellulose 5% Fiber Glass	90% Other	White Non Fibrous Homogeneous
51819983PLM_27					Dissolved
13-8-3	Wallboard (No joint compound)	None Detected	5% Cellulose 5% Fiber Glass	90% Other	White Non Fibrous Homogeneous
51819983PLM_28					Dissolved

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Philip Szabo (34)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 8/15/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area/Building: 13

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
13-9-1	lightweight roof concrete (below EPDM roof)	southeast end	R	good		non-friable	none detected
13-9-2	lightweight roof concrete (below EPDM roof)	middle of roof	R				none detected
13-9-3	lightweight roof concrete (below EPDM roof)	northwest end	R				none detected



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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821967
Analysis ID: 51821967_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 13

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
13-9-1	Lightwirut roof concrete (below EDPM roof)	None Detected		100% Other	Beige Non Fibrous Heterogeneous
51821967PLM_1					Crushed
13-9-2	Lightwirut roof concrete (below EDPM roof)	None Detected		100% Other	Beige Non Fibrous Heterogeneous
51821967PLM_2					Crushed
13-9-3	Lightwirut roof concrete (below EDPM roof)	None Detected		100% Other	Beige Non Fibrous Heterogeneous
51821967PLM_3					Crushed

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William Howell (3)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 7/25/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Building: 14

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
14-1-1	Stair Caulk	Stairs	EXT	Good		non-friable	none detected
14-1-2	Stair Caulk	Stairs	EXT			non-friable	none detected
14-1-3	Stair Caulk	Stairs	EXT			non-friable	none detected



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Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819354
Analysis ID: 51819354_PLM
Date Received: 7/30/2018
Date Reported: 8/3/2018

Project: Crompton And Knowles - Building 14

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
14-1-1	Stair caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819354PLM_1					Dissolved
14-1-2	Stair caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819354PLM_2					Dissolved
14-1-3	Stair caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819354PLM_3					Dissolved

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Charmel Dozier (3)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/26/2018

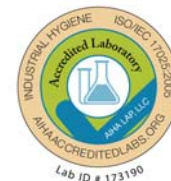
Job Name: Crompton and Knowles
 Job Number: 71187168
 Building: 15

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
15-1-1	Window Glazing	North Window	EXT	significantly	2 windows	friable	4% Chrysotile
15-1-2	Window Glazing	South Window	EXT	damaged			3% Chrysotile
15-1-3	Window Glazing	South Window	EXT				3% Chrysotile
15-2-1	Roof Shingle and Felt Paper	North	EXT	good	150 ft ²	friable	none detected
15-2-2	Roof Shingle and Felt Paper	South	EXT				none detected
15-2-3	Roof Shingle and Felt Paper	West	EXT				none detected
15-3-1	CMU Coating	North Wall - Exterior	EXT	good	600 ft ²	non-friable	3% Chrysotile
15-3-2	CMU Coating	South Wall - Exterior	EXT				3% Chrysotile
15-3-3	CMU Coating	West Wall - Exterior	EXT				3% Chrysotile
15-4-1	CMU Coating	North Wall - Interior	INT	good	600 ft ²	non-friable	3% Chrysotile
15-4-2	CMU Coating	South Wall - Interior	INT				3% Chrysotile
15-4-3	CMU Coating	East Wall - Interior	INT				3% Chrysotile



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Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819356
Analysis ID: 51819356_PLM
Date Received: 7/30/2018
Date Reported: 8/4/2018

Project: Crompton And Knowles - Building 15

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
15-1-1	Window glazing	4% Chrysotile	1% Other	95% Other	Gray Non Fibrous Homogeneous
51819356PLM_1					Crushed, Dissolved
15-1-2	Window glazing	3% Chrysotile	2% Other	95% Other	Gray Non Fibrous Homogeneous
51819356PLM_5					Crushed, Dissolved
15-1-3	Window glazing	3% Chrysotile	2% Other	95% Other	Gray Non Fibrous Homogeneous
51819356PLM_6					Crushed, Dissolved
15-2-1 - A	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819356PLM_2	shingle				Dissolved
15-2-1 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819356PLM_13	felt				Dissolved
15-2-2 - A	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819356PLM_7	shingle				Dissolved
15-2-2 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819356PLM_14	felt				Dissolved
15-2-3 - A	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819356PLM_8	shingle				Dissolved

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Charmel Dozier (15)

Analyst

Approved Signatory



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EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819356
Analysis ID: 51819356_PLM
Date Received: 7/30/2018
Date Reported: 8/4/2018

Project: Crompton And Knowles - Building 15

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
15-2-3 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819356PLM_15	felt				Dissolved
15-3-1	CMU coating	3% Chrysotile		97% Other	White Non Fibrous Heterogeneous
51819356PLM_3					Crushed
15-3-2	CMU coating	3% Chrysotile		97% Other	White Non Fibrous Heterogeneous
51819356PLM_9					Crushed
15-3-3	CMU coating	3% Chrysotile		97% Other	White Non Fibrous Heterogeneous
51819356PLM_10					Crushed
15-4-1	CMU coating	3% Chrysotile		97% Other	White, Gray Non Fibrous Heterogeneous
51819356PLM_4					Crushed
15-4-2	CMU coating	3% Chrysotile		97% Other	White, Gray Non Fibrous Heterogeneous
51819356PLM_11					Crushed
15-4-3	CMU coating	3% Chrysotile		97% Other	White, Gray Non Fibrous Heterogeneous
51819356PLM_12					Crushed

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Charmel Dozier (15)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/27/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 17

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
17-1-1	9"x9" Brown Floor Tile and Black Mastic	Lab Next to Eye Wash Station	1	significantly damaged	380ft ²	non-friable	FT: 8% Chrysotile M: 3% Chrysotile
17-1-2	9"x9" Brown Floor Tile and Black Mastic	Doorway to Lab	1				FT: 8% Chrysotile M: 3% Chrysotile
17-1-3	9"x9" Brown Floor Tile and Black Mastic	Office	1				FT: 8% Chrysotile M: 3% Chrysotile
17-2-1	CMU Coating	Interior Lab	1	significantly damaged		friable	none detected
17-2-2	CMU Coating	Office Next to Interior Lab	1				none detected
17-2-3	CMU Coating	Bathroom in Hallway Next to Interior Lab	1				none detected
17-3-1	White Window Caulk	Office Facing West	1	significantly damaged		non-friable	none detected
17-3-2	White Window Caulk	Office Facing South	1				none detected
17-3-3	White Window Caulk	Office Facing South	1				none detected
17-4-1	Clear Caulk	Sink in Bathroom	1	significantly damaged		non-friable	none detected
17-4-2	Clear Caulk	Sink in Bathroom	1				none detected
17-4-3	Clear Caulk	Along Baseboard in Lab	1				none detected
17-5-1	Grey Caulk in Pipe	Exterior 6" Pipe Near Office Entrance	1	significantly damaged		non-friable	none detected
17-5-2	Grey Caulk in Pipe	Exterior 6" Pipe Near Office Entrance	1				none detected
17-5-3	Grey Caulk in Pipe	Exterior 6" Pipe Near Office Entrance	1				none detected
17-6-1	Sink Coating	Lab Sink	1	significantly damaged		friable	none detected
17-6-2	Sink Coating	Lab Sink	1				none detected
17-6-3	Sink Coating	Lab Sink	1				none detected
17-7-1	2'x2' Rough Textured Ceiling Tile	Ceiling in Office	1	significantly damaged		friable	none detected
17-7-2	2'x2' Rough Textured Ceiling Tile	Ceiling in Office	1				none detected
17-7-3	2'x2' Rough Textured Ceiling Tile	Ceiling in Office	1			friable	none detected
17-8-1	2'x4' Pinhole and Fissure Ceiling Tile	Shower Room	1	significantly damaged			none detected
17-8-2	2'x4' Pinhole and Fissure Ceiling Tile	Hallway to Bathroom	1				none detected
17-8-3	2'x4' Pinhole and Fissure Ceiling Tile	Inside of Bathroom	1				none detected
17-9-1	Black Mastic Paper on Fiberglass Insulation Batting	Office	1	significantly damaged		non-friable	none detected

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/27/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 17

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
17-9-2	Black Mastic Paper on Fiberglass Insulation Batting	Lab	1				none detected
17-9-3	Black Mastic Paper on Fiberglass Insulation Batting	Lab	1				none detected
17-10-1	4" Black Covebase with White Mastic	4" Black Covebase with White Mastic	1	significantly damaged		non-friable	none detected
17-10-2	4" Black Covebase with White Mastic	4" Black Covebase with White Mastic	1				none detected
17-10-3	4" Black Covebase with White Mastic	4" Black Covebase with White Mastic	1				none detected
17-11-1	6" Grey Pipe Wrap	Exterior 6" Pipe Near Office Entrance	1	significantly damaged	15 ft	non-friable	5% Chrysotile
17-11-2	6" Grey Pipe Wrap	Exterior 6" Pipe Near Office Entrance	1				5% Chrysotile
17-11-3	6" Grey Pipe Wrap	Exterior 6" Pipe Near Office Entrance	1				5% Chrysotile
17-12-1	Door Caulk	Doorway to Building Entrance Near Bathroom	EXT	significantly damaged		non-friable	none detected
17-12-2	Door Caulk	Doorway to Building Entrance Near Bathroom	EXT				none detected
17-12-3	Door Caulk	Doorway to Building Entrance Near Bathroom	EXT				none detected
17-13-1	Red Penetration Caulk	Pipe Penetration in Hallway to Bathroom	1	significantly damaged		non-friable	none detected
17-13-2	Red Penetration Caulk	Pipe Penetration in Hallway to Bathroom	1				none detected
17-13-3	Red Penetration Caulk	Pipe Penetration in Hallway to Bathroom	1				none detected
17-14-1	Shingle and Felt Paper	Roof Over Office	R	significantly damaged		non-friable	none detected
17-14-2	Shingle and Felt Paper	Roof Over Bathroom Side of Building	R				none detected
17-14-3	Shingle and Felt Paper	Roof Over Bathroom Side of Building	R				none detected
17-15-1	CMU Coating	Exterior Near Office Window	EXT	significantly damaged		friable	none detected
17-15-2	CMU Coating	Exterior Wall Behind Lab	EXT				none detected
17-15-3	CMU Coating	Exterior Wall Behind Bathroom	EXT				none detected
17-15-4	CMU Coating	Exterior Wall Behind Shop Area	EXT				none detected
17-15-5	CMU Coating	Exterior Wall at Entrance to Shop	EXT				none detected
17-16-1	Grey Gasket on Pipe Flange	Found at Pipe Flange in the Small Building Behind Building 17	EXT	significantly damaged	35 each	non-friable	30% Chrysotile
17-16-2	Grey Gasket on Pipe Flange	Found at Pipe Flange in the Small Building Behind Building 17	EXT				30% Chrysotile

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/27/2018

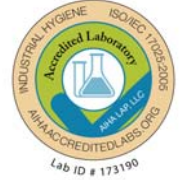
Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 17

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
17-16-3	Grey Gasket on Pipe Flange	Found at Pipe Flange in the Small Building Behind Building 17	EXT				30% Chrysotile
17-17-1	Black Caulk on Pipe	Around Pipe Connection Small Building Behind 17	EXT	significantly damaged		non-friable	none detected
17-17-2	Black Caulk on Pipe	Around Pipe Connection Small Building Behind 17	EXT				none detected
17-17-3	Black Caulk on Pipe	Around Pipe Connection Small Building Behind 17	EXT				none detected
17-18-1	Tan Door Caulk	Found along Middle of Doorway Small Building Behind 17	EXT	significantly damaged		non-friable	none detected
17-18-2	Tan Door Caulk	Found along Middle of Doorway Small Building Behind 17	EXT				none detected
17-18-3	Tan Door Caulk	Found along Middle of Doorway Small Building Behind 17	EXT				none detected
17-19-1	CMU Coating	Interior South Wall of Small Building Behind 17	1	good		friable	none detected
17-19-2	CMU Coating	Interior East Wall of Small Building Behind 17	1				none detected
17-19-3	CMU Coating	Interior West Wall of Small Building Behind 17	1				none detected
17-20-1	CMU Coating	Exterior of South Wall of Small Building Behind 17	EXT	good		friable	none detected
17-20-2	CMU Coating	Exterior of East Wall of Small Building Behind 17	EXT				none detected
17-20-3	CMU Coating	Exterior of West Wall of Small Building Behind 17	EXT				none detected
17-21-1	2'x2' Pinhole and Wide Fissure	Ceiling in Lab	1	significantly damaged		friable	none detected
17-21-2	2'x2' Pinhole and Wide Fissure	Ceiling in Lab	1				none detected
17-21-3	2'x2' Pinhole and Wide Fissure	Ceiling in Lab	1				none detected
17-22-1	4" Black Thin Covebase with Brown Mastic	Inside of Office	1	damaged		non-friable	none detected
17-22-2	4" Black Thin Covebase with Brown Mastic	Inside of Office	1				none detected
17-22-3	4" Black Thin Covebase with Brown Mastic	Inside of Office	1				none detected



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2701 Westport Rd
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Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-1-1 - A	9"x9" Brown floor tile and black mastic	8% Chrysotile		92% Other	Brown Non Fibrous Homogeneous
51819984PLM_1	tile				Dissolved
17-1-1 - B	9"x9" Brown floor tile and black mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819984PLM_69	mastic				Dissolved
17-1-2 - A	9"x9" Brown floor tile and black mastic	8% Chrysotile		92% Other	Brown Non Fibrous Homogeneous
51819984PLM_2	tile				Dissolved
17-1-2 - B	9"x9" Brown floor tile and black mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819984PLM_70	mastic				Dissolved
17-1-3 - A	9"x9" Brown floor tile and black mastic	8% Chrysotile		92% Other	Brown Non Fibrous Homogeneous
51819984PLM_3	tile				Dissolved
17-1-3 - B	9"x9" Brown floor tile and black mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819984PLM_71	mastic				Dissolved
17-2-1	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_4					Crushed
17-2-2	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_5					Crushed

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Charmel Dozier (83)

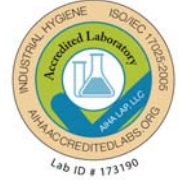
Analyst

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-2-3	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_6					Crushed
17-3-1	White window caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_7					Dissolved
17-3-2	White window caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_8					Dissolved
17-3-3	White window caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_9					Dissolved
17-4-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819984PLM_10					Dissolved
17-4-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819984PLM_11					Dissolved
17-4-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819984PLM_12					Dissolved
17-5-1	Grey caulk in pipe	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_13					Dissolved

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Date Reported: 8/9/2018

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-5-2	Grey caulk in pipe	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_14					Dissolved
17-5-3	Grey caulk in pipe	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_15					Dissolved
17-6-1	Sink coating	None Detected	3% Cellulose	97% Other	Beige Non Fibrous Homogeneous
51819984PLM_16					Dissolved
17-6-2	Sink coating	None Detected	3% Cellulose	97% Other	Beige Non Fibrous Homogeneous
51819984PLM_17					Dissolved
17-6-3	Sink coating	None Detected	3% Cellulose	97% Other	Beige Non Fibrous Homogeneous
51819984PLM_18					Dissolved
17-7-1	2'x2' Rough textured ceiling tile	None Detected	75% Mineral Wool	25% Other	Gray Fibrous Homogeneous
51819984PLM_19					Teased
17-7-2	2'x2' Rough textured ceiling tile	None Detected	75% Mineral Wool	25% Other	Gray Fibrous Homogeneous
51819984PLM_20					Teased
17-7-3	2'x2' Rough textured ceiling tile	None Detected	75% Mineral Wool	25% Other	Gray Fibrous Homogeneous
51819984PLM_21					Teased

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Charmel Dozier (83)

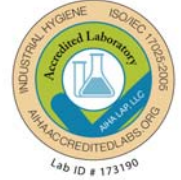
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-8-1	2'x4' Pinhole and fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819984PLM_22					Teased
17-8-2	2'x4' Pinhole and fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819984PLM_23					Teased
17-8-3	2'x4' Pinhole and fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819984PLM_24					Teased
17-9-1	Black mastic paper on fiberglass insulation batting	None Detected	70% Cellulose	30% Other	Tan, Black Fibrous Homogeneous
51819984PLM_25					Dissolved
17-9-2	Black mastic paper on fiberglass insulation batting	None Detected	70% Cellulose	30% Other	Tan, Black Fibrous Homogeneous
51819984PLM_26					Dissolved
17-9-3	Black mastic paper on fiberglass insulation batting	None Detected	70% Cellulose	30% Other	Tan, Black Fibrous Homogeneous
51819984PLM_27					Dissolved
17-10-1 - A	4" Black covebase with white mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_28	covebase				Dissolved
17-10-1 - B	4" Black covebase with white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_72	mastic				Dissolved

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Charmel Dozier (83)

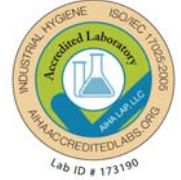
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-10-2 - A	4" Black covebase with white mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_29	covebase				Dissolved
17-10-2 - B	4" Black covebase with white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_73	mastic				Dissolved
17-10-3 - A	4" Black covebase with white mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_30	covebase				Dissolved
17-10-3 - B	4" Black covebase with white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51819984PLM_74	mastic				Dissolved
17-11-1	6" Grey pipe wrap	5% Chrysotile	25% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819984PLM_31					Dissolved
17-11-2	6" Grey pipe wrap	5% Chrysotile	25% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819984PLM_32					Dissolved
17-11-3	6" Grey pipe wrap	5% Chrysotile	25% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819984PLM_33					Dissolved
17-12-1	Door caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_34					Dissolved

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Charmel Dozier (83)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-12-2	Door caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_35					Dissolved
17-12-3	Door caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819984PLM_36					Dissolved
17-13-1	Red penetration caulk	None Detected	3% Cellulose	97% Other	Red Non Fibrous Homogeneous
51819984PLM_37					Dissolved
17-13-2	Red penetration caulk	None Detected	3% Cellulose	97% Other	Red Non Fibrous Homogeneous
51819984PLM_38					Dissolved
17-13-3	Red penetration caulk	None Detected	3% Cellulose	97% Other	Red Non Fibrous Homogeneous
51819984PLM_39					Dissolved
17-14-1 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_40	shingle 1				Dissolved
17-14-1 - B	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_75	shingle 2				Dissolved
17-14-1 - C	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819984PLM_76	felt paper				Dissolved

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Charmel Dozier (83)

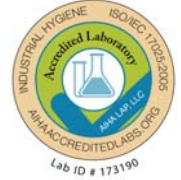
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-14-2 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_41	shingle 1				Dissolved
17-14-2 - B	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_77	shingle 2				Dissolved
17-14-2 - C	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819984PLM_78	felt paper				Dissolved
17-14-3 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_42	shingle 1				Dissolved
17-14-3 - B	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black, Gray Fibrous Homogeneous
51819984PLM_79	shingle 2				Dissolved
17-14-3 - C	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819984PLM_80	felt paper				Dissolved
17-15-1	CMU coating	None Detected		100% Other	White, Tan Non Fibrous Heterogeneous
51819984PLM_43					Crushed
17-15-2	CMU coating	None Detected		100% Other	White, Tan Non Fibrous Heterogeneous
51819984PLM_44					Crushed

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Charmel Dozier (83)

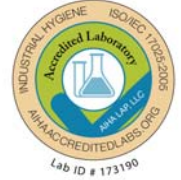
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-15-3	CMU coating	None Detected		100% Other	White, Tan Non Fibrous Heterogeneous
51819984PLM_45					Crushed
17-15-4	CMU coating	None Detected		100% Other	White, Tan Non Fibrous Heterogeneous
51819984PLM_46					Crushed
17-15-5	CMU coating	None Detected		100% Other	White, Blue Non Fibrous Heterogeneous
51819984PLM_47					Crushed
17-16-1	Grey gasket on pipe fringe	30% Chrysotile		70% Other	Black Fibrous Homogeneous
51819984PLM_48					Teased, Dissolved
17-16-2	Grey gasket on pipe fringe	30% Chrysotile		70% Other	Black Fibrous Homogeneous
51819984PLM_49					Teased, Dissolved
17-16-3	Grey gasket on pipe fringe	30% Chrysotile		70% Other	Black Fibrous Homogeneous
51819984PLM_50					Teased, Dissolved
17-17-1	Black caulk on pipe	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_51					Dissolved
17-17-2	Black caulk on pipe	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_52					Dissolved

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Charmel Dozier (83)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-17-3	Black caulk on pipe	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_53					Dissolved
17-18-1	Tan door caulk	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819984PLM_54					Dissolved
17-18-2	Tan door caulk	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819984PLM_55					Dissolved
17-18-3	Tan door caulk	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819984PLM_56					Dissolved
17-19-1	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_57					Crushed
17-19-2	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_58					Crushed
17-19-3	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819984PLM_59					Crushed
17-20-1	CMU coating	None Detected		100% Other	Tan Non Fibrous Heterogeneous
51819984PLM_60					Crushed

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Charmel Dozier (83)

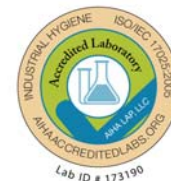
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-20-2	CMU coating	None Detected		100% Other	Tan Non Fibrous Heterogeneous
51819984PLM_61					Crushed
17-20-3	CMU coating	None Detected		100% Other	Tan Non Fibrous Heterogeneous
51819984PLM_62					Crushed
17-21-1	2'x2' Pinhole and wide fissure	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51819984PLM_63					Teased
17-21-2	2'x2' Pinhole and wide fissure	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51819984PLM_64					Teased
17-21-3	2'x2' Pinhole and wide fissure	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51819984PLM_65					Teased
17-22-1 - A	4" Black thin covebase with brown mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_66	covebase				Dissolved
17-22-1 - B	4" Black thin covebase with brown mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819984PLM_81	mastic				Dissolved
17-22-2 - A	4" Black thin covebase with brown mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_67	covebase				Dissolved

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Charmel Dozier (83)

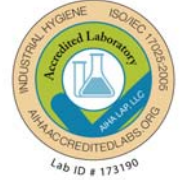
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819984
Analysis ID: 51819984_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 17 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-22-2 - B	4" Black thin covebase with brown mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819984PLM_82	mastic				Dissolved
17-22-3 - A	4" Black thin covebase with brown mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819984PLM_68	covebase				Dissolved
17-22-3 - B	4" Black thin covebase with brown mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819984PLM_83	mastic				Dissolved

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Charmel Dozier (83)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
License: 13054
Date: 7/27/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area/Building: 17

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
17-23-1	Perlite Wall Insulation	End Walls	1	good		friable	none detected
17-23-2	Perlite Wall Insulation	End Walls	1				none detected
17-23-3	Perlite Wall Insulation	End Walls	1				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51820216
Analysis ID: 51820216_PLM
Date Received: 8/7/2018
Date Reported: 8/13/2018

Project: Crompton & Knowles - Building 17 - 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-23-1	Perlite wall insulation	None Detected	1% Cellulose	99% Perlite	White Non Fibrous Homogeneous
51820216PLM_1					Dissolved
17-23-2	Perlite wall insulation	None Detected	1% Cellulose	99% Perlite	White Non Fibrous Homogeneous
51820216PLM_2					Dissolved
17-23-3	Perlite wall insulation	None Detected	1% Cellulose	99% Perlite	White Non Fibrous Homogeneous
51820216PLM_3					Dissolved

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Philip Szabo (3)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 8/15/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 17

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
17-24-1	grey roof caulk	west wall	R	good		non-friable	none detected
17-24-2	grey roof caulk	south wall	R				none detected
17-24-3	grey roof caulk	north wall	R				none detected
17-25-1	built-up roof membrane	west wall	R	good		non-friable	none detected
17-25-2	built-up roof membrane	south wall	R				none detected
17-25-3	built-up roof membrane	north wall	R				none detected
17-26-1	roof flashing	west wall	R	good	150 ft	non-friable	Fl: 5% Chrysotile Sh: none detected
17-26-2	roof flashing	south wall	R				Fl: 5% Chrysotile Sh: none detected
17-26-3	roof flashing	north wall	R				Fl: 5% Chrysotile Sh: none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821959
Analysis ID: 51821959_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 17

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-24-1	Grey roof caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821959PLM_1					Crushed, Ashed
17-24-2	Grey roof caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821959PLM_2					Crushed, Ashed
17-24-3	Grey roof caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821959PLM_3					Crushed, Ashed
17-25-1 - A	Built-up roof membrane	None Detected	30% Fiber Glass 15% Cellulose	55% Other	Black Non Fibrous Homogeneous
51821959PLM_4	built up roofing				Crushed, Dissolved
17-25-1 - B	Built-up roof membrane	None Detected	80% Cellulose	20% Other	Black Non Fibrous Homogeneous
51821959PLM_10	felt on foam				Teased, Crushed
17-25-2	Built-up roof membrane	None Detected	30% Fiber Glass 15% Cellulose	55% Other	Black Non Fibrous Homogeneous
51821959PLM_5	built up roofing only				Crushed, Ashed
17-25-3 - A	Built-up roof membrane	None Detected	30% Fiber Glass 15% Cellulose	55% Other	Black Non Fibrous Homogeneous
51821959PLM_6	built up roofing				Crushed, Ashed
17-25-3 - B	Built-up roof membrane	None Detected	80% Cellulose	20% Other	Black Non Fibrous Homogeneous
51821959PLM_11	felt on foam				Teased, Crushed

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Heather Davide (14)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821959
Analysis ID: 51821959_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 17

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
17-26-1 - A	Roof flashing	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51821959PLM_7	flashing				Dissolved
17-26-1 - B	Roof flashing	None Detected	70% Cellulose	30% Other	Black, Gray Non Fibrous Homogeneous
51821959PLM_12	shingle				Crushed, Dissolved
17-26-2 - A	Roof flashing	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51821959PLM_8	flashing				Dissolved
17-26-2 - B	Roof flashing	None Detected	50% Cellulose	50% Other	Black, Gray Non Fibrous Homogeneous
51821959PLM_13	shingle				Crushed, Dissolved
17-26-3 - A	Roof flashing	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51821959PLM_9	flashing				Dissolved
17-26-3 - B	Roof flashing	None Detected	50% Cellulose	50% Other	Black, Gray Non Fibrous Homogeneous
51821959PLM_14	shingle				Crushed, Dissolved

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Heather Davide (14)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 7/24/2018

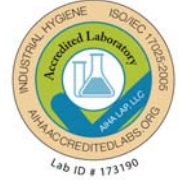
Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 18

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
18-1-1	CMU Coating	West Wall	EXT	good		non-friable	none detected
18-1-2	CMU Coating	West Wall	EXT				none detected
18-1-3	CMU Coating	South Wall	EXT				none detected
18-1-4	CMU Coating	West Wall	EXT				none detected
18-1-5	CMU Coating	South Wall	EXT				none detected
18-1-6	CMU Coating	East wall	EXT				none detected
18-1-7	CMU Coating	West Wall	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819357
Analysis ID: 51819357_PLM
Date Received: 7/30/2018
Date Reported: 8/3/2018

Project: Crompton And Knowles - Building 18

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
18-1-1	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_1					Crushed, Dissolved
18-1-2	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_2					Crushed, Dissolved
18-1-3	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_3					Crushed, Dissolved
18-1-4	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_4					Crushed, Dissolved
18-1-5	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_5					Crushed, Dissolved
18-1-6	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_6					Crushed, Dissolved
18-1-7	CMU coating	None Detected		100% Other	Gray, White Non Fibrous Heterogeneous
51819357PLM_7					Crushed, Dissolved

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Charmel Dozier (7)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 7/24/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area/Building: 18

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
18-2-1	Vermiculite Insulation	Bag on Floor, Back of Building	1	damaged		friable	none detected
18-2-2	Vermiculite Insulation	Bag on Floor, Back of Building	1				none detected
18-2-3	Vermiculite Insulation	Bag on Floor, Back of Building	1				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51820214
Analysis ID: 51820214_PLM
Date Received: 8/7/2018
Date Reported: 8/13/2018

Project: Crompton & Knowles - Building 18 - 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
18-2-1	Vermiculite insulation	None Detected		100% Vermiculite	Gold Non Fibrous Homogeneous
51820214PLM_1					Dissolved
18-2-2	Vermiculite insulation	None Detected		100% Vermiculite	Gold Non Fibrous Homogeneous
51820214PLM_2					Dissolved
18-2-3	Vermiculite insulation	None Detected		100% Vermiculite	Gold Non Fibrous Homogeneous
51820214PLM_3					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (3)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 7/24/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area/Building: 18

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
18-2-4	Vermiculite Insulation	Bag on Floor, Back of Building	1	damaged		friable	none detected



Results of Testing by the Research Method for the Analysis of Vermiculite Attic Insulation EPA/600/R-04/004 Asbestos Analysis

Client: Terracon 2701 Westport Rd Charlotte, NC 28208	Attn: Russell Harrings	Lab Order ID: 51820944
Project: Crompton & Knowles Building 18		Date Received: 8/15/2018
		Date Reported: 8/21/2018
		Page: 1 of 1

Sample ID	Description	Assessment for Asbestos Presence
Lab Sample ID	Lab Notes	
18-2-4	<i>PLM Analysis of "Floats & Sinks"</i>	None Detected
51820944VAI_1	<i>See Procedure Step A below.</i>	
	<i>TEM Analysis of Suspension</i>	N/A
	<i>See Procedure Step B below.</i>	

Summary of Procedure

Step A- "Sinks and Floats": The Vermiculite Attic Insulation (VAI) was initially examined in dry bulk by stereomicroscope and Polarized Light Microscopy (PLM). A known weight of the material was then suspended in water, stirred, agitated, and then left to settle. The floating vermiculite was removed, and the suspension decanted for later analysis by Transmission Electron Microscopy (TEM), if necessary (absence of asbestos found in the light microscopy analyses of sinks and floats) while the sunken "sinks" material was dried and examined by stereomicroscope and PLM. Any Readily recognized fiber bundles were separated and weighed. It is estimated that this screening detection limit is <0.01% by weight.

Step B- Suspension: the suspension decanted in the previous step was analyzed by TEM if no asbestos was found in the light microscopy analyses of sinks and floats. After a 2-minute treatment in an ultrasonic bath, aliquots of the suspension were filtered through a 0.2 µm filter, which were then dried, collapsed, carbon-coated, and dissolved to create a replicate film with contained particulate on a copper mesh grid for TEM analysis. TEM analysis was conducted on a JEOL 2000, equipped with Energy-Dispersive X-Ray Analyzer (EDXA) and Selected Area Electron Diffraction (SAED). Volumes filtered and areas analyzed are adjusted to obtain an analytical sensitivity of 1.0×10^6 fibers/gram, unless a lower detection limit is requested.

Ired Gulley
Analyst

Lab Director

Inspector: Russell Harrings
 License: 12222
 Date: 8/16/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 18

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
18-3-1	roof flashing	north wall	R	good	350 ft	non-friable	10% Chrysotile
18-3-2	roof flashing	west wall	R				10% Chrysotile
18-3-3	roof flashing	south wall	R				10% Chrysotile
18-4-1	built-up roof membrane	north side	R	good		non-friable	none detected
18-4-2	built-up roof membrane	west side	R				none detected
18-4-3	built-up roof membrane	south side	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821952
Analysis ID: 51821952_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
18-3-1	Roof flashing	10% Chrysotile	20% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_1					Dissolved
18-3-2	Roof flashing	10% Chrysotile	20% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_2					Dissolved
18-3-3	Roof flashing	10% Chrysotile	20% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_3					Dissolved
18-4-1 - A	Built up roof membrane	None Detected	30% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_4	built up roofing				Dissolved
18-4-1 - B	Built up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821952PLM_7	insulation				Ashed
18-4-2 - A	Built up roof membrane	None Detected	30% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_5	built up roofing				Dissolved
18-4-2 - B	Built up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821952PLM_8	insulation				Ashed
18-4-3 - A	Built up roof membrane	None Detected	30% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821952PLM_6	builr up roofing				Dissolved

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Megan Javonovich (9)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821952
Analysis ID: 51821952_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
18-4-3 - B	Built up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821952PLM_9	insulation				Ashed

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Megan Javonovich (9)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/27/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 21

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
21-1-1	CMU Coating	West Wall	EXT	good		non-friable	none detected
21-1-2	CMU Coating	North Wall	EXT				none detected
21-1-3	CMU Coating	East Wall	EXT				none detected
21-1-4	CMU Coating	Southeast Wall	EXT				none detected
21-1-5	CMU Coating	Southwest Wall	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819981
Analysis ID: 51819981_PLM
Date Received: 8/3/2018
Date Reported: 8/8/2018

Project: Crompton & Knowles - building 21 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
21-1-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819981PLM_1					Dissolved
21-1-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819981PLM_2					Dissolved
21-1-3	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819981PLM_3					Dissolved
21-1-4	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819981PLM_4					Dissolved
21-1-5	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819981PLM_5					Dissolved

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Philip Szabo (5)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 8/15/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 21

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
21-2-1	grey roof caulk	lower roof	LR	good		non-friable	none detected
21-2-2	grey roof caulk	lower roof	LR				none detected
21-2-3	grey roof caulk	lower roof	LR				none detected
21-3-1	black roof caulk	lower roof	LR	good		non-friable	none detected
21-3-2	black roof caulk	upper roof	UR				none detected
21-3-3	black roof caulk	upper roof	UR				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821958
Analysis ID: 51821958_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
21-2-1	grey roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_1					Ashed
21-2-2	grey roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_2					Ashed
21-2-3	grey roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_3					Ashed
21-3-1	black roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_4					Ashed
21-3-2	black roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_5					Ashed
21-3-3	black roof caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51821958PLM_6					Ashed

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Megan Javonovich (6)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 7/23/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 22

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
22-1-1	Shingle and Felt Paper	South Corner	EXT	damaged		non-friable	none detected
22-1-2	Shingle and Felt Paper	West Corner	EXT				none detected
22-1-3	Shingle and Felt Paper	North Corner	EXT				none detected
22-2-1	Black Paint	Bridge over Tank 108	EXT	significantly		friable	none detected
22-2-2	Black Paint	Bridge over Tank 108	EXT	damaged			none detected
22-2-3	Black Paint	Bridge over Tank 108	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819358
Analysis ID: 51819358_PLM
Date Received: 7/30/2018
Date Reported: 8/3/2018

Project: Crompton And Knowles - Building 22

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
22-1-1 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	White, Black Fibrous Homogeneous
51819358PLM_1	shingle				Dissolved
22-1-1 - B	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819358PLM_7	felt				Teased, Dissolved
22-1-2 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	White, Black Fibrous Homogeneous
51819358PLM_2	shingle				Dissolved
22-1-2 - B	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819358PLM_8	felt				Teased, Dissolved
22-1-3 - A	Shingle and felt paper	None Detected	20% Fiber Glass	80% Other	White, Black Fibrous Homogeneous
51819358PLM_3	shingle				Dissolved
22-1-3 - B	Shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819358PLM_9	felt				Teased, Dissolved
22-2-1	Black paint	None Detected		100% Other	Black Non Fibrous Homogeneous
51819358PLM_4					Ashed
22-2-2	Black paint	None Detected		100% Other	Black Non Fibrous Homogeneous
51819358PLM_5					Ashed

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Charmel Dozier (9)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819358
Analysis ID: 51819358_PLM
Date Received: 7/30/2018
Date Reported: 8/3/2018

Project: Crompton And Knowles - Building 22

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
22-2-3	Black paint	None Detected		100% Other	Black Non Fibrous Homogeneous
51819358PLM_6					Ashed

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Charmel Dozier (9)

Analyst

Approved Signatory

Inspector: Courtney Connelly / Gareth Hoffmann
 License: 12863 / 13054
 Date: 7/23/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 28

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
28-1-1	12"x12" Black Floor Tile and Mastic	Middle of Floor	1	damaged		non-friable	none detected
28-1-2	12"x12" Black Floor Tile and Mastic	Near Entrance Doorway	1				none detected
28-1-3	12"x12" Black Floor Tile and Mastic	Near Door to Electrical Room	1				none detected
28-2-1	2'x4' Fissure Ceiling Tile	Middle of Ceiling	1	good		friable	none detected
28-2-2	2'x4' Fissure Ceiling Tile	Near Door to Electrical Room	1				none detected
28-2-3	2'x4' Fissure Ceiling Tile	Near Window in Control Room	1				none detected
28-3-1	CMU Coating	Inside Wall Near Door to Electrical Room	1	good	600 ft ²	friable	none detected
28-3-2	CMU Coating	Inside Wall Near Window in Control Room	1				none detected
28-3-3	CMU Coating	Inside Wall Near Entrance	1				none detected
28-4-1	4" Black Covebase and Mastic	Bottom of Wall Near Door to Electrical Room	1	good		non-friable	none detected
28-4-2	4" Black Covebase and Mastic	Bottom of Wall Near Window in Control Room	1				none detected
28-4-3	4" Black Covebase and Mastic	Bottom of Wall Near Entrance	1				none detected
28-5-1	White Caulk	Door Frame to Control Room	1	good		non-friable	none detected
28-5-2	White Caulk	Door Frame to Electrical Room from Exterior	1				none detected
28-5-3	White Caulk	Door Frame to Electrical Room From Control Room	1				none detected
28-6-1	Black Mastic Dots	Behind 4" Wood Board Along Back Edge of Counter	1	good		non-friable	none detected
28-6-2	Black Mastic Dots	Behind 4" Wood Board Along Back Edge of Counter	1				none detected
28-6-3	Black Mastic Dots	Behind 4" Wood Board Along Back Edge of Counter	1				none detected
28-7-1	Black Sink Coating	Under Kitchen Sink	1	good		non-friable	none detected
28-7-2	Black Sink Coating	Under Kitchen Sink	1				none detected
28-7-3	Black Sink Coating	Under Kitchen Sink	1				none detected
28-8-1	Clear Caulking	Window Frame	EXT	good		non-friable	none detected
28-8-2	Clear Caulking	Window Frame	EXT				none detected
28-8-3	Clear Caulking	Window Frame	EXT				none detected
28-9-1	CMU Coating	Exterior of Wall on South Side	EXT	good	900 ft ²	friable	none detected
28-9-2	CMU Coating	Exterior of Wall on East Side	EXT				none detected
28-9-3	CMU Coating	Exterior of Wall in Middle on East Side	EXT				none detected
28-9-4	CMU Coating	Exterior of Wall on Northeast Side	EXT				none detected
28-9-5	CMU Coating	Exterior of Wall on West Side	EXT				none detected

Inspector: Courtney Connelly / Gareth Hoffmann
 License: 12863 / 13054
 Date: 7/23/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 28

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
28-10-1	Roof Shingle and Felt Paper	South Debris on Ground from Roof	R	significantly		non-friable	none detected
28-10-2	Roof Shingle and Felt Paper	South Debris on Ground from Roof	R	damaged			none detected
28-10-3	Roof Shingle and Felt Paper	South Debris on Ground from Roof	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-1-1 - A	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_1	tile				Dissolved
28-1-1 - B	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_33	mastic				Dissolved
28-1-2 - A	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_2	tile				Dissolved
28-1-2 - B	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_34	mastic				Dissolved
28-1-3 - A	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_3	tile				Dissolved
28-1-3 - B	12"x12" Black floor tile and mast5ic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_35	mastic				Dissolved
28-2-1	2'x4' Fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819987PLM_4					Teased
28-2-2	2'x4' Fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819987PLM_5					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (42)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-2-3	2'x4' Fissure ceiling tile	None Detected	50% Mineral Wool 30% Cellulose	20% Other	Tan Fibrous Homogeneous
51819987PLM_6					Teased
28-3-1	CMU coating	None Detected		100% Other	White, Green Non Fibrous Heterogeneous
51819987PLM_7					Crushed
28-3-2	CMU coating	None Detected		100% Other	White, Tan Non Fibrous Heterogeneous
51819987PLM_8					Crushed
28-3-3	CMU coating	None Detected		100% Other	White, Green Non Fibrous Heterogeneous
51819987PLM_9					Crushed
28-4-1 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_10	covebase				Dissolved
28-4-1 - B	4" Black covebase and mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_36	mastic				Dissolved
28-4-2 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_11	covebase				Dissolved
28-4-2 - B	4" Black covebase and mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_37	mastic				Dissolved

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Charmel Dozier (42)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-4-3 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_12	covebase				Dissolved
28-4-3 - B	4" Black covebase and mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819987PLM_38	mastic				Dissolved
28-5-1	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819987PLM_13					Dissolved
28-5-2	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819987PLM_14					Dissolved
28-5-3	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819987PLM_15					Dissolved
28-6-1	Black mastic dots	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_16					Dissolved
28-6-2	Black mastic dots	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_17					Dissolved
28-6-3	Black mastic dots	None Detected		100% Other	Black Non Fibrous Homogeneous
51819987PLM_18					Dissolved

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Charmel Dozier (42)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-7-1	Black sink coating	None Detected	2% Cellulose	98% Other	Black Non Fibrous Homogeneous
51819987PLM_19					Dissolved
28-7-2	Black sink coating	None Detected	2% Cellulose	98% Other	Black Non Fibrous Homogeneous
51819987PLM_20					Dissolved
28-7-3	Black sink coating	None Detected	2% Cellulose	98% Other	Black Non Fibrous Homogeneous
51819987PLM_21					Dissolved
28-8-1	Clear caulking	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819987PLM_22					Dissolved
28-8-2	Clear caulking	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819987PLM_23					Dissolved
28-8-3	Clear caulking	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819987PLM_24					Dissolved
28-9-1	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819987PLM_25					Crushed
28-9-2	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819987PLM_26					Crushed

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Charmel Dozier (42)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-9-3	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819987PLM_27					Crushed
28-9-4	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819987PLM_28					Crushed
28-9-5	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819987PLM_29					Crushed
28-10-1 - A	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819987PLM_30	shingle 1				Dissolved
28-10-1 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819987PLM_39	felt paper				Dissolved
28-10-2 - A	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819987PLM_31	shingle 2				Dissolved
28-10-2 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819987PLM_40	felt paper				Dissolved
28-10-3 - A	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819987PLM_32	shingle 1				Dissolved

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Charmel Dozier (42)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819987
Analysis ID: 51819987_PLM
Date Received: 8/3/2018
Date Reported: 8/9/2018

Project: Crompton & Knowles - Building 28 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-10-3 - B	Roof shingle and felt paper	None Detected	20% Fiber Glass	80% Other	Black Fibrous Homogeneous
51819987PLM_41	shingle 2				Dissolved
28-10-3 - C	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819987PLM_42	felt paper				Dissolved

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Charmel Dozier (42)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 8/16/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area/Building: 28

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
28-11-1	white roof caulk	east wall	R	good		non-friable	none detected
28-11-2	white roof caulk	south wall	R				none detected
28-11-3	white roof caulk	west wall	R				none detected
28-12-1	built-up roof membrane	east wall	R	good		non-friable	none detected
28-12-2	built-up roof membrane	south wall	R				none detected
28-12-3	built-up roof membrane	west wall	R				none detected
28-13-1	roof flashing	east wall	R	good		non-friable	none detected
28-13-2	roof flashing	south wall	R				none detected
28-13-3	roof flashing	west wall	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821966
Analysis ID: 51821966_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 28

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-11-1	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821966PLM_1					Ashed
28-11-2	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821966PLM_2					Ashed
28-11-3	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821966PLM_3					Ashed
28-12-1 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821966PLM_4	built up roofing				Dissolved
28-12-1 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821966PLM_10	insulation				Teased
28-12-1 - C	Built-up roof membrane	None Detected	30% Cellulose	70% Other	Yellow, Black Non Fibrous Homogeneous
51821966PLM_11	felt/foam				Ashed, Teased
28-12-2 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821966PLM_5	built up roofing				Dissolved
28-12-2 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821966PLM_12	insulation				Teased

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William Howell (15)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821966
Analysis ID: 51821966_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 28

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
28-12-2 - C	Built-up roof membrane	None Detected	30% Cellulose	70% Other	Yellow, Black Non Fibrous Homogeneous
51821966PLM_13	felt/foam				Ashed, Teased
28-12-3 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821966PLM_6	built up roofing				Dissolved, Teased
28-12-3 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821966PLM_14	insulation				Teased
28-12-3 - C	Built-up roof membrane	None Detected	30% Cellulose	70% Other	Black, Yellow Non Fibrous Homogeneous
51821966PLM_15	felt/foam				Ashed, Teased
28-13-1	Roof flashing	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821966PLM_7					Teased, Dissolved
28-13-2	Roof flashing	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821966PLM_8					Teased, Dissolved
28-13-3	Roof flashing	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821966PLM_9					Teased, Dissolved

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William Howell (15)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/25/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 29

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
29-1-1	Black Mastic on Pipe	Inside of Room 29	1	good		non-friable	none detected
29-1-2	Black Mastic on Pipe	Inside of Room 29	1				none detected
29-1-3	Black Mastic on Pipe	Inside of Room 29	1				none detected
29-2-1	Grey Mastic on Pipe	Exterior Fiberglass Pipe	EXT	good		non-friable	none detected
29-2-2	Grey Mastic on Pipe	Exterior Fiberglass Pipe	EXT				none detected
29-2-3	Grey Mastic on Pipe	Exterior Fiberglass Pipe	EXT				none detected
29-3-1	CMU Coating	Exterior Wall on North Side	EXT	good		non-friable	none detected
29-3-2	CMU Coating	Exterior Wall on East Side	EXT				none detected
29-3-3	CMU Coating	Exterior Wall on Southeast Side	EXT				none detected
29-4-1	Door Frame Caulk	Exterior Frame of Door	EXT	good		non-friable	none detected
29-4-2	Door Frame Caulk	Exterior Frame of Door	EXT				none detected
29-4-3	Door Frame Caulk	Exterior Frame of Door	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819979
Analysis ID: 51819979_PLM
Date Received: 8/3/2018
Date Reported: 8/8/2018

Project: Crompton & Knowles - building 29 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
29-1-1	Black mastic on pipe	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Homogeneous
51819979PLM_1					Ashed, Dissolved
29-1-2	Black mastic on pipe	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Homogeneous
51819979PLM_2					Ashed, Dissolved
29-1-3	Black mastic on pipe	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Homogeneous
51819979PLM_3					Ashed, Dissolved
29-2-1	Grey mastic on pipe	None Detected	5% Fiber Glass	95% Other	Gray Non Fibrous Homogeneous
51819979PLM_4					Ashed, Dissolved
29-2-2	Grey mastic on pipe	None Detected	5% Fiber Glass	95% Other	Gray Non Fibrous Homogeneous
51819979PLM_5					Ashed, Dissolved
29-2-3	Grey mastic on pipe	None Detected	5% Fiber Glass	95% Other	Gray Non Fibrous Homogeneous
51819979PLM_6					Ashed, Dissolved
29-3-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_7					Dissolved
29-3-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_8					Dissolved

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Philip Szabo (12)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51819979
Analysis ID: 51819979_PLM
Date Received: 8/3/2018
Date Reported: 8/8/2018

Project: Crompton & Knowles - building 29 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
29-3-3	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_9					Dissolved
29-4-1	Door frame caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_10					Ashed, Dissolved
29-4-2	Door frame caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_11					Ashed, Dissolved
29-4-3	Door frame caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819979PLM_12					Ashed, Dissolved

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Philip Szabo (12)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 8/16/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: 29

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
29-5-1	white roof caulk	south wall	R	good		non-friable	none detected
29-5-2	white roof caulk	west wall	R				none detected
29-5-3	white roof caulk	north wall	R				none detected
29-6-1	built-up roof membrane	south wall	R	good		non-friable	none detected
29-6-2	built-up roof membrane	west wall	R				none detected
29-6-3	built-up roof membrane	north wall	R				none detected
29-7-1	roof flashing	south wall	R	good		non-friable	none detected
29-7-2	roof flashing	west wall	R				none detected
29-7-3	roof flashing	north wall	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821946
Analysis ID: 51821946_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton and Knowles Building 29

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
29-5-1	White roof caulk south wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821946PLM_1					Ashed
29-5-2	White roof caulk west wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821946PLM_2					Ashed
29-5-3	White roof caulk north wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821946PLM_3					Ashed
29-6-1 - A	Built-up roof membrane south wall	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821946PLM_4	built up roofing				Dissolved, Teased
29-6-1 - B	Built-up roof membrane south wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821946PLM_10	foam				Ashed
29-6-1 - C	Built-up roof membrane south wall	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821946PLM_11	insulation				Teased
29-6-2 - A	Built-up roof membrane west wall	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821946PLM_5	built up roofing				Dissolved, Teased
29-6-2 - B	Built-up roof membrane west wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821946PLM_12	foam				Ashed

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William Howell (15)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821946
Analysis ID: 51821946_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton and Knowles Building 29

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
29-6-2 - C	Built-up roof membrane west wall	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821946PLM_13	insulation				Teased
29-6-3 - A	Built-up roof membrane north wall	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821946PLM_6	built up roofing				Dissolved, Teased
29-6-3 - B	Built-up roof membrane north wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821946PLM_14	foam				Ashed
29-6-3 - C	Built-up roof membrane north wall	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821946PLM_15	insulation				Teased
29-7-1	Roof flashing south wall	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821946PLM_7					Teased, Dissolved
29-7-2	Roof flashing west wall	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821946PLM_8					Teased, Dissolved
29-7-3	Roof flashing north wall	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821946PLM_9					Teased, Dissolved

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William Howell (15)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann
 License: 13054
 Date: 7/26/2018

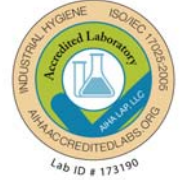
Job Name: Crompton and Knowles
 Job Number: 71187168
 Building: 30

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
30-1-1	Door Caulk	Door	EXT	good		non-friable	none detected
30-1-2	Door Caulk	Door	EXT				none detected
30-1-3	Door Caulk	Door	EXT				none detected
30-2-1	CMU Coating	SE	EXT	good	900 ft ²	friable	none detected
30-2-2	CMU Coating	SW	EXT				none detected
30-2-3	CMU Coating	W	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819359
Analysis ID: 51819359_PLM
Date Received: 7/30/2018
Date Reported: 8/3/2018

Project: Crompton And Knowles - Building 30

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
30-1-1	Door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819359PLM_1					Dissolved
30-1-2	Door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819359PLM_2					Dissolved
30-1-3	Door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819359PLM_3					Dissolved
30-2-1	CMU coating	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819359PLM_4					Dissolved
30-2-2	CMU coating	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819359PLM_5					Dissolved
30-2-3	CMU coating	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819359PLM_6					Dissolved

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Charmel Dozier (6)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 8/15/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Building: 30

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
30-3-1	white roof caulk	roof	R	good		non-friable	none detected
30-3-2	white roof caulk	roof	R				none detected
30-3-3	white roof caulk	roof	R				none detected
30-4-1	built-up roof membrane	roof	R	good		non-friable	none detected
30-4-2	built-up roof membrane	roof	R				none detected
30-4-3	built-up roof membrane	roof	R				none detected
30-5-1	roof flashing	roof	R	good		non-friable	none detected
30-5-2	roof flashing	roof	R				none detected
30-5-3	roof flashing	roof	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821962
Analysis ID: 51821962_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 30

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
30-3-1	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821962PLM_1					Ashed
30-3-2	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821962PLM_2					Ashed
30-3-3	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821962PLM_3					Ashed
30-4-1 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821962PLM_4	built up roofing				Dissolved, Teased
30-4-1 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821962PLM_10	insulation				Teased
30-4-2 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821962PLM_5	built up roofing				Dissolved, Teased
30-4-2 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821962PLM_11	insulation				Teased
30-4-3 - A	Built-up roof membrane	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51821962PLM_6	built up roofing				Dissolved

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William Howell (12)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821962
Analysis ID: 51821962_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; Building 30

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
30-4-3 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Perlite	Tan Fibrous Homogeneous
51821962PLM_12	insulation				Teased
30-5-1	Roof flashing	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Fibrous Homogeneous
51821962PLM_7					Teased, Dissolved
30-5-2	Roof flashing	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Fibrous Homogeneous
51821962PLM_8					Teased, Dissolved
30-5-3	Roof flashing	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Fibrous Homogeneous
51821962PLM_9					Teased, Dissolved

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William Howell (12)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 7/24/2018, 8/15/2018

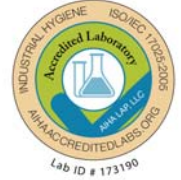
Job Name: Crompton and Knowles
 Job Number: 71187168
 Building: 31 and associated tank

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
31-1-1	black pipe tar	pump room	1	good		non-friable	none detected
31-1-2	black pipe tar	pump room	1				none detected
31-1-3	black pipe tar	pump room	1				none detected
31-2-1	CMU coating	northeast wall	ext	good	1200 ft ²	friable	none detected
31-2-2	CMU coating	southeast wall	ext				none detected
31-2-3	CMU coating	southwest wall	ext				none detected
31-2-4	CMU coating	northwest wall	ext				none detected
31-2-5	CMU coating	southwest wall	ext				none detected
31-3-1	roof flashing	north wall	R	good		non-friable	none detected
31-3-2	roof flashing	west wall	R				none detected
31-3-3	roof flashing	south wall	R				none detected
31-4-1	built-up roof membrane	north wall	R	good		non-friable	none detected
31-4-2	built-up roof membrane	west wall	R				none detected
31-4-3	built-up roof membrane	south wall	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821938
Analysis ID: 51821938_PLM
Date Received: 8/27/2018
Date Reported: 9/4/2018

Project: Crompton and Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
31-1-1	Black pipe tar pump room	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_1					Ashed, Dissolved
31-1-2	Black pipe tar pump room	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_2					Ashed, Dissolved
31-1-3	Black pipe tar pump room	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_3					Ashed, Dissolved
31-2-1	CMU coating northeast wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821938PLM_4					Dissolved
31-2-2	CMU coating southeast wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821938PLM_5					Dissolved
31-2-3	CMU coating southwest wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821938PLM_6					Dissolved
31-2-4	CMU coating northwest wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821938PLM_7					Dissolved
31-2-5	CMU coating southwest wall	None Detected		100% Other	White Non Fibrous Homogeneous
51821938PLM_8					Dissolved

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Philip Szabo (20)

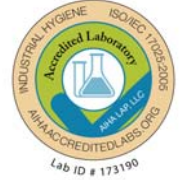
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821938
Analysis ID: 51821938_PLM
Date Received: 8/27/2018
Date Reported: 9/4/2018

Project: Crompton and Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
31-3-1	Roof flashing north wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_9					Dissolved
31-3-2	Roof flashing west wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_10					Dissolved
31-3-3	Roof flashing south wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_11					Dissolved
31-4-1 - A	Built-up roof membrane north wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_12	roofing				Dissolved
31-4-1 - B	Built-up roof membrane north wall	None Detected	85% Cellulose	10% Perlite 5% Other	Brown Fibrous Homogeneous
51821938PLM_15	insulation				Teased, Dissolved
31-4-1 - C	Built-up roof membrane north wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821938PLM_16	foam				Dissolved
31-4-2 - A	Built-up roof membrane west wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_13	roofing				Dissolved
31-4-2 - B	Built-up roof membrane west wall	None Detected	85% Cellulose	10% Perlite 5% Other	Brown Fibrous Homogeneous
51821938PLM_17	insulation				Teased, Dissolved

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Philip Szabo (20)

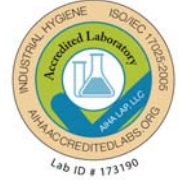
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821938
Analysis ID: 51821938_PLM
Date Received: 8/27/2018
Date Reported: 9/4/2018

Project: Crompton and Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
31-4-2 - C	Built-up roof membrane west wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821938PLM_18	foam				Dissolved
31-4-3 - A	Built-up roof membrane south wall	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821938PLM_14	roofing				Dissolved
31-4-3 - B	Built-up roof membrane south wall	None Detected	85% Cellulose	10% Perlite 5% Other	Brown Fibrous Homogeneous
51821938PLM_19	insulation				Teased, Dissolved
31-4-3 - C	Built-up roof membrane south wall	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821938PLM_20	foam				Dissolved

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Philip Szabo (20)

Analyst

Approved Signatory

Inspector: Russell Harrings
License: 12222
Date: 7/25/2018, 8/16/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Building: 34

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
34-1-1	black tank pad	exterior tank area	ext	damaged		friable	none detected
34-1-2	black tank pad	exterior tank area	ext				none detected
34-1-3	black tank pad	exterior tank area	ext				none detected
34-2-1	roof flashing	east wall	R	good		non-friable	none detected
34-2-2	roof flashing	north wall	R				none detected
34-2-3	roof flashing	west wall	R				none detected
34-3-1	built-up roof membrane	east wall	R	good		non-friable	none detected
34-3-2	built-up roof membrane	north wall	R				none detected
34-3-3	built-up roof membrane	west wall	R				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821960
Analysis ID: 51821960_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
34-1-1	black tank pad	None Detected	10% Cellulose	90% Other	Black Non Fibrous Heterogeneous
51821960PLM_1					Dissolved
34-1-2	black tank pad	None Detected	10% Cellulose	90% Other	Black Non Fibrous Heterogeneous
51821960PLM_2					Dissolved
34-1-3	black tank pad	None Detected	10% Cellulose	90% Other	Black Non Fibrous Heterogeneous
51821960PLM_3					Dissolved
34-2-1	roof flashing	None Detected	20% Cellulose 20% Fiber Glass	60% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_4			Dissolved		
34-2-2	roof flashing	None Detected	20% Cellulose 20% Fiber Glass	60% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_5			Dissolved		
34-2-3	roof flashing	None Detected	20% Cellulose 20% Fiber Glass	60% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_6			Dissolved		
34-3-1 - A	built-up roof membrane	None Detected	20% Cellulose 10% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_7	built up roofing		Dissolved		
34-3-1 - B	built-up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821960PLM_10	insulation		Ashed		

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Megan Javonovich (18)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821960
Analysis ID: 51821960_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
34-3-1 - C	built-up roof membrane	None Detected	40% Cellulose 10% Fiber Glass	50% Other	Black Fibrous Homogeneous
51821960PLM_11	felt				Dissolved
34-3-1 - D	built-up roof membrane	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821960PLM_12	foam				Ashed
34-3-2 - A	built-up roof membrane	None Detected	20% Cellulose 10% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_8	built up roofing				Dissolved
34-3-2 - B	built-up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821960PLM_13	insulation				Ashed
34-3-2 - C	built-up roof membrane	None Detected	40% Cellulose 10% Fiber Glass	50% Other	Black Fibrous Homogeneous
51821960PLM_14	felt				Dissolved
34-3-2 - D	built-up roof membrane	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821960PLM_15	foam				Ashed
34-3-3 - A	built-up roof membrane	None Detected	20% Cellulose 10% Fiber Glass	70% Other	Black, Gray Non Fibrous Heterogeneous
51821960PLM_9	built up roofing				Dissolved
34-3-3 - B	built-up roof membrane	None Detected	50% Cellulose 10% Fiber Glass	30% Perlite 10% Other	Gray Fibrous Homogeneous
51821960PLM_16	insulation				Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (18)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821960
Analysis ID: 51821960_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
34-3-3 - C	built-up roof membrane	None Detected	40% Cellulose 10% Fiber Glass	50% Other	Black Fibrous Homogeneous
51821960PLM_17	felt				Dissolved
34-3-3 - D	built-up roof membrane	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821960PLM_18	foam				Ashed

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Megan Javonovich (18)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 7/25/2018

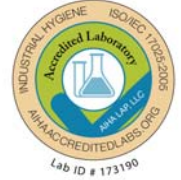
Job Name: Crompton and Knowles
 Job Number: 71187168
 Area/Building: Wastewater Treatment (WWT) Tanks

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
W-1-1	Silver Caulk	Tank 105	EXT	good		non-friable	none detected
W-1-2	Silver Caulk	Tank 105	EXT				none detected
W-1-3	Silver Caulk	Tank 105	EXT				none detected
W-2-1	White Caulk	Tank 105	EXT	good		non-friable	none detected
W-2-2	White Caulk	Tank 105	EXT				none detected
W-2-3	White Caulk	Tank 105	EXT				none detected
W-3-1	White Caulk	Tank 111 (Base)	EXT	good		non-friable	none detected
W-3-2	White Caulk	Tank 111 (Base)	EXT				none detected
W-3-3	White Caulk	Tank 111 (Base)	EXT				none detected
W-4-1	Silver Caulk	Tank 111	EXT	good		non-friable	none detected
W-4-2	Silver Caulk	Tank 111	EXT				none detected
W-4-3	Silver Caulk	Tank 111	EXT				none detected
W-5-1	Grey Gasket Caulk	Tank 105 access port	EXT	good		non-friable	none detected
W-5-2	Grey Gasket Caulk	Tank 105 access port	EXT				none detected
W-5-3	Grey Gasket Caulk	Tank 105 access port	EXT				none detected
W-6-1	Grey Caulk	Tank 105 (Base)	EXT	good		non-friable	none detected
W-6-2	Grey Caulk	Tank 105 (Base)	EXT				none detected
W-6-3	Grey Caulk	Tank 105 (Base)	EXT				none detected
W-7-1	Silver Caulk	Tank 103B	EXT	good		non-friable	none detected
W-7-2	Silver Caulk	Tank 103B	EXT				none detected
W-7-3	Silver Caulk	Tank 103B	EXT				none detected
W-8-1	Pipe header	Tank 103B	EXT	damaged		friable	none detected
W-8-2	Pipe header	Tank 103B	EXT				none detected
W-8-3	Pipe header	Tank 103B	EXT				none detected



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819361
Analysis ID: 51819361_PLM
Date Received: 7/30/2018
Date Reported: 8/4/2018

Project: Crompton And Knowles - Wastewater Treatment (WWT) Tanks

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
W-1-1	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_1					Ashed
W-1-2	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_9					Ashed
W-1-3	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_10					Ashed
W-2-1	White caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_2					Dissolved, Ashed
W-2-2	White caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_11					Dissolved, Ashed
W-2-3	White caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51819361PLM_12					Dissolved, Ashed
W-3-1	White caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_3					Ashed
W-3-2	White caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_13					Ashed

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Bethany Nichols (24)

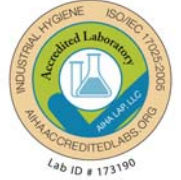
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819361
Analysis ID: 51819361_PLM
Date Received: 7/30/2018
Date Reported: 8/4/2018

Project: Crompton And Knowles - Wastewater Treatment (WWT) Tanks

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
W-3-3	White caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_14					Ashed
W-4-1	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_4					Ashed
W-4-2	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_15					Ashed
W-4-3	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_16					Ashed
W-5-1	Grey gasket caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819361PLM_5					Ashed
W-5-2	Grey gasket caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819361PLM_17					Ashed
W-5-3	Grey gasket caulk	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819361PLM_18					Ashed
W-6-1	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_6					Ashed

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Bethany Nichols (24)

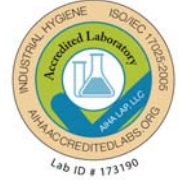
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51819361
Analysis ID: 51819361_PLM
Date Received: 7/30/2018
Date Reported: 8/4/2018

Project: Crompton And Knowles - Wastewater Treatment (WWT) Tanks

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
W-6-2	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_19					Ashed
W-6-3	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819361PLM_20					Ashed
W-7-1	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_7					Ashed
W-7-2	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_21					Ashed
W-7-3	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819361PLM_22					Ashed
W-8-1	Pipe header	None Detected		100% Other	White Non Fibrous Homogeneous
51819361PLM_8					Crushed, Dissolved
W-8-2	Pipe header	None Detected		100% Other	White Non Fibrous Homogeneous
51819361PLM_23					Crushed, Dissolved
W-8-3	Pipe header	None Detected		100% Other	White Non Fibrous Homogeneous
51819361PLM_24					Crushed, Dissolved

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Bethany Nichols (24)

Analyst

Approved Signatory

Inspector: Russell Harrings
 License: 12222
 Date: 7/24/2018, 8/15/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Building: exterior pipe system (EP)

Sample No.	Homogeneous Material Description	Sample Location	Condition	Quantity	Friable/ Non-Friable	Lab Results
EP-1-1	black coating on black fiberglass pipes	adjacent to building 27	good		non-friable	none detected
EP-1-2	black coating on black fiberglass pipes	adjacent to building 27				none detected
EP-1-3	black coating on black fiberglass pipes	adjacent to building 27				none detected
EP-2-1	white/grey pipe caulk on fiberglass insulation	at tank 105	good		non-friable	none detected
EP-2-2	white/grey pipe caulk on fiberglass insulation	at tank 111				none detected
EP-2-3	white/grey pipe caulk on fiberglass insulation	at building 34				none detected
EP-3-1	black coating on black fiberglass pipes	near building 17	good		non-friable	none detected
EP-3-2	black coating on black fiberglass pipes	near building 8				none detected
EP-3-3	black coating on black fiberglass pipes	near building 5				none detected
EP-4-1	corrugated metal wrap steam pipe insulation	between buildings 6 and 9	damaged	>100 ft *	friable	15% Amosite
EP-4-2	corrugated metal wrap steam pipe insulation	between buildings 6 and 9				15% Amosite
EP-4-3	corrugated metal wrap steam pipe insulation	between buildings 6 and 9				15% Amosite
EP-5-1	grey steam pipe elbow mastic (on fiberglass)	between buildings 6 and 9	damaged		non-friable	none detected
EP-5-2	grey steam pipe elbow mastic (on fiberglass)	between buildings 6 and 9				none detected
EP-5-3	grey steam pipe elbow mastic (on fiberglass)	between buildings 6 and 9				none detected

* this pipe insulation is located at multiple locations throughout the site and could not be accurately delineated or quantified due to the metal wraps, white block-like insulation at the site should be assumed to contain asbestos



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Terracon
 2701 Westport Rd
 Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821964
Analysis ID: 51821964_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; exterior pipe system (EP)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
EP-1-1	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_1					Crushed, Dissolved
EP-1-2	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_2					Crushed, Dissolved
EP-1-3	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_3					Crushed, Dissolved
EP-2-1	White/grey pipe caulk on fiberglass insulation	None Detected	5% Cellulose	95% Other	Grayish Non Fibrous Homogeneous
51821964PLM_4					Ashed
EP-2-2	White/grey pipe caulk on fiberglass insulation	None Detected	5% Cellulose	95% Other	Grayish Non Fibrous Homogeneous
51821964PLM_5					Dissolved
EP-2-3	White/grey pipe caulk on fiberglass insulation	None Detected	5% Cellulose	95% Other	Grayish Non Fibrous Homogeneous
51821964PLM_6					Dissolved
EP-3-1	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_7					Crushed, Dissolved
EP-3-2	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_8					Crushed, Dissolved

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William Howell (15)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



NVLAP Lab Code: 200664-0



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821964
Analysis ID: 51821964_PLM
Date Received: 8/27/2018
Date Reported: 8/31/2018

Project: Crompton & Knowles; exterior pipe system (EP)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
EP-3-3	Black coating on black fiberglass pipes	None Detected		100% Other	Black Non Fibrous Homogeneous
51821964PLM_9					Crushed, Dissolved
EP-4-1	Corrugated metal wrap steam pipe inaulation	15% Amosite		85% Other	White Non Fibrous Homogeneous
51821964PLM_10					Teased
EP-4-2	Corrugated metal wrap steam pipe inaulation	15% Amosite		85% Other	White Non Fibrous Homogeneous
51821964PLM_11					Teased
EP-4-3	Corrugated metal wrap steam pipe inaulation	15% Amosite		85% Other	White Non Fibrous Homogeneous
51821964PLM_12					Teased
EP-5-1	Grey steam pipe elbow mastic (on fiberglass)	None Detected	50% Fiber Glass	50% Other	Grayish Non Fibrous Homogeneous
51821964PLM_13					Dissolved, Teased
EP-5-2	Grey steam pipe elbow mastic (on fiberglass)	None Detected	50% Fiber Glass	50% Other	Grayish Non Fibrous Homogeneous
51821964PLM_14					Dissolved, Teased
EP-5-3	Grey steam pipe elbow mastic (on fiberglass)	None Detected	50% Fiber Glass	50% Other	Grayish Non Fibrous Homogeneous
51821964PLM_15					Dissolved, Teased

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William Howell (15)

Analyst

Approved Signatory

APPENDIX E

LEAD ANALYTICAL LABORATORY DATA

Inspector: Gareth H.
Date: 8/17/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area: Building 1

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
1-L1	White	CMU Block	Wall	Exterior North	M	-0.2	<0.0048 %
1-L2	White	Concrete	Window Sill	Exterior North	M	-0.4	<0.0051 %
1-L3	Blue	Wood	Door	Exterior East	S	-0.2	0.038 %
1-L4	Blue	Metal	Door Frame	Exterior East	S	-0.2	0.13 %
1-L5	Brown	Metal	Door Frame	Exterior East	S	-0.1	0.014 %
1-L6	Light Brown	Metal	Stall Door	Gentlemen's Bathroom	I	0.0	0.52%
1-L7	White	Wood	Wall	Office	I	-0.2	<0.0041%
1-L8	Beige	Wallboard	Wall	Kitchen	I	-0.2	< 0.0041%
1-L9	Beige	Wood	Cabinet	Kitchen	I	-0.3	< 0.0049%
1-L10	Beige	Concrete	Window Sill	Kitchen	I	-0.5	< 0.0061%
1-L11	Beige	CMU Block	Wall	Kitchen	M	-0.2	< 0.0060%
1-L12	Beige	Metal	Window Frame	Kitchen	M	-0.3	0.056%
1-L13	White	CMU Block	Wall	Back Office	M	-0.6	0.081%
1-L14	White	Concrete	Window Sill	Back Office	M	-0.5	< 0.0060%
1-L15	White	Metal	Window Frame	Back Office	M	-0.3	0.075%
1-L16	Brown	Metal	Window Frame	Back Office	M	-0.2	0.056%
1-L17	White	Wood	Door Frame	HVAC/Electrical Closet	M	-0.2	0.0076%
				POST CALIBRATION 1	N/A	1.0	N/A
				POST CALIBRATION 2	N/A	1.0	N/A
				POST CALIBRATION 3	N/A	1.0	N/A

Conditions:

(I)ntact (T)op Layer Fail (M)ultiple Layer Fail (S)ubstrate Fail



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821665
Analysis ID: 51821665_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018

Project: Crompton and Knowles; Building 1

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
1-L1	White/CMU block/wall/exterior north	0.0834	< 48	< 0.0048%
51821665PBP_1				
1-L2	White/concrete/window sill/exterior north	0.0789	< 51	< 0.0051%
51821665PBP_2				
1-L3	Blue/wood/door/exterior east	0.0516	380	0.038%
51821665PBP_3				
1-L4	Blue/metal/door frame/exterior east	0.0986	1300	0.13%
51821665PBP_4				
1-L5	Brown/metal/door frame/exterior east	0.0925	140	0.014%
51821665PBP_5				
1-L6	Light brown/metal/stall door/gentlemens bathroom	0.0986	5200	0.52%
51821665PBP_6				
1-L7	White/wood/wall/office	0.0964	< 41	< 0.0041%
51821665PBP_7				
1-L8	Beige/wallboard/wall/kitchen	0.0978	< 41	< 0.0041%
51821665PBP_8				
1-L9	Beige/wood/cabinet/kitchen	0.0818	< 49	< 0.0049%
51821665PBP_9				
1-L10	Beige/concrete/window sill/kitchen	0.0656	< 61	< 0.0061%
51821665PBP_10				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Melissa Ferrell (1)
Taylor Davis (16)
Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips



by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B

Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821665
Analysis ID: 51821665_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018

Project: Crompton and Knowles; Building 1

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
1-L11	Beige/CMU block/wall/kitchen	0.0666	< 60.	< 0.0060%
51821665PBP_11				
1-L12	Beige/metal/window frame/kitchen	0.0774	560	0.056%
51821665PBP_12				
1-L13	White/CMU block/wall/back office	0.0963	810	0.081%
51821665PBP_13				
1-L14	White/concrete/window sill/back office	0.0672	< 60.	< 0.0060%
51821665PBP_14				
1-L15	White/window frame/back office	0.0604	750	0.075%
51821665PBP_15				
1-L16	Brown/window frame/back office	0.0711	560	0.056%
51821665PBP_16				
1-L17	White/wood/door frame/HVAC/electrical closet	0.0771	76	0.0076%
51821665PBP_17				

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Melissa Ferrell (1)
Taylor Davis (16)
Analyst

Laboratory Director

Inspector: Russell H./Gareth H.
 Date: 7/23/18 & 8/17/18

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area: Building 2

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
2-L1	White/yellow	CMU Block	Wall	Northwest Interior	M	-0.3	< 0.0051%
2-L2	White/yellow	Concrete	Ceiling	Interior	M	no test	< 0.0054%
2-L3	Grey	CMU Block	Wall	West Office	T	-0.5	< 0.0069%
2-L4	Blue	Metal	Door Frame	Northwest Lab Office	I	-0.1	< 0.0050%
2-L5	Blue	Wood	Door	West Office	I	-0.1	0.10%
2-L6	White	CMU Block	Wall	West Exterior	I	-0.2	< 0.0071%
2-L7	Blue	Metal	Door Frame	North Exterior	I	-0.1	< 0.0071%
2-L8	Blue	Metal	Door	Southwest Exterior	I	0.4	< 0.0050%
2-L9	White	Metal	Window Frame	Interior Northwest	I	-0.2	0.019%
2-L10	Blue	Metal	Door Frame	Middle Office	I	-0.1	0.035%
2-L11	White	Wallboard	Wall	Middle Open Area	I	-0.2	< 0.0058%
2-L12	White	Wood	Wall	South Middle Office	I	-0.0	0.25%
2-L13	Blue	Wood	Door	Southeast	I	-0.2	< 0.0056%
2-L14	White	Metal	Door Frame	Southeast	M	-0.3	0.11%
2-L15	White	Concrete	Window Sill Exterior	South Exterior	I	-0.1	< 0.0060%
2-L16	White	Metal	Ductwork	Lab Interior	I	0.0	< 0.0063%
2-L17	Red	Concrete	Floor	Northeast Sampling Room	I	-0.6	< 0.0063%
2-L18	White	Wood	Wall Exterior	Wood Shed	I	-0.3	< 0.0057%
2-L19	Grey	Metal	Tank	Horizontal Tank Inside Shed	M	1.0	N/A
2-L20	Grey	Metal	Tank Frame	Horizontal Tank Inside Shed	I	-0.3	0.074%
				POST CALIBRATION 1	N/A	1.0	N/A
				POST CALIBRATION 2	N/A	0.9	N/A
				POST CALIBRATION 3	N/A	1.0	N/A

NOTE: Sample 2-L19 was not sent to lab. 1.0 mg/cm² was detected by XRF.

Conditions:

(I)ntact (T)op Layer Fail (M)ultiple Layer Fail (S)ubstrate Fail



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51823522
Analysis ID: 51823522_PBP
Date Received: 9/14/2018
Date Reported: 9/21/2018

Project: Crompton and Knowles 71187168 Building 2

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
2-L1	White/yellow CMU block wall Northwest interior	0.0782	< 51	< 0.0051%
51823522PBP_1				
2-L2	White/yellow concrete ceiling interior	0.0736	< 54	< 0.0054%
51823522PBP_2				
2-L3	Grey CMU block wall West office	0.0583	< 69	< 0.0069%
51823522PBP_3				
2-L4	Blue metal door frame Northwest lab office	0.0800	< 50.	< 0.0050%
51823522PBP_4				
2-L5	Blue wood door West office	0.0567	1000	0.10%
51823522PBP_5				
2-L6	White CMU block wall West exterior	0.0562	< 71	< 0.0071%
51823522PBP_6				
2-L7	Blue metal door frame North exterior	0.0565	< 71	< 0.0071%
51823522PBP_7				
2-L8	Blue metal door Southwest exterior	0.0796	< 50.	< 0.0050%
51823522PBP_8				
2-L9	White metal window frame interior Northwest	0.0642	190	0.019%
51823522PBP_9				
2-L10	Blue metal door frame middle office	0.0870	350	0.035%
51823522PBP_10				

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Melissa Ferrell (21)

Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann

Lab Order ID: 51823522
Analysis ID: 51823522_PBP
Date Received: 9/14/2018
Date Reported: 9/21/2018

Project: Crompton and Knowles 71187168 Building 2

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
2-L11	White wallboard wall middle open area	0.0686	< 58	< 0.0058%
51823522PBP_11				
2-L12	White wood wall South middle office	0.0687	2500	0.25%
51823522PBP_12				
2-L13	Blue wood door Southeast	0.0717	< 56	< 0.0056%
51823522PBP_13				
2-L14	White metal door frame Southeast	0.0946	1100	0.11%
51823522PBP_14				
2-L15	White concrete window sill exterior South exterior	0.0668	< 60.	< 0.0060%
51823522PBP_15				
2-L16	White metal ductwork lab interior	0.0634	< 63	< 0.0063%
51823522PBP_16				
2-L17	Red concrete floor northeast sampling room	0.0636	< 63	< 0.0063%
51823522PBP_17				
2-L18	White wood wall exterior wood shed	0.0698	< 57	< 0.0057%
51823522PBP_18				
2-L19	Grey metal tank horizontal tank inside shed	-	Not Submitted	
51823522PBP_19				
2-L20	Grey metal tank frame horizontal tank inside shed	0.0804	740	0.074%
51823522PBP_20				

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Melissa Ferrell (21)

Analyst

Laboratory Director

Inspector: Russell H./Gareth H.
 Date: 7/24/18 & 8/17/18

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area: Building 3

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
3-L1	White	CMU Block	Wall	South Corner Exterior	I	-0.1	< 0.0050%
3-L2	White	CMU Block	Wall	West	I	-0.3	< 0.0046%
3-L3	Yellow	Metal	Door Frame	Southeast Entrance	M	1.0	8.1%
3-L4	Red	Metal	Structural Beam	Loading Dock	I	-0.2	5.5%
3-L5	Light Grey	Concrete	Ceiling	Center	T	no test	0.023%
3-L6	Yellow	Concrete	Column	Center	I	-0.5	4.0%
3-L7	Red	Metal	Door	North Entrance	I	0.2	0.20%
3-L8	Red	Metal	Door Frame	North Entrance	T	-0.1	0.010%
3-L9	Yellow	Metal	Handrail	West Interior	T	-0.2	< 0.0049%
3-L10	Yellow	Metal	Handrail	North Exterior	M	-0.1	0.044%
3-L11	Blue	Metal	Door	North Entrance Exterior	M	0.0	0.18%
3-L12	Blue	Metal	Door Frame	North Entrance Exterior	M	-0.2	< 0.0064%
3-L13	Blue	CMU Block	Wall	Northwest	I	-0.3	< 0.0073%
				POST CALIBRATION 1	N/A	0.8	N/A
				POST CALIBRATION 2	N/A	0.9	N/A
				POST CALIBRATION 3	N/A	0.8	N/A

Conditions:

(I)ntact (T)op Layer Fail (M)ultiple Layer Fail (S)ubstrate Fail



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann
Russell Harrings

Lab Order ID: 51823529
Analysis ID: 51823529_PBP
Date Received: 9/14/2018
Date Reported: 9/20/2018

Project: Crompton and Knowles 71187168 Building 3

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
3-L1	White CMU block wall South corner exterior	0.0808	< 50.	< 0.0050%
51823529PBP_1				
3-L2	White CMU block wall West	0.0870	< 46	< 0.0046%
51823529PBP_2				
3-L3	Yellow metal door frame Southeast entrance	0.0717	81000	8.1%
51823529PBP_3				
3-L4	Red metal structural beam loading dock	0.0793	55000	5.5%
51823529PBP_4				
3-L5	Light grey concrete ceiling center	0.0711	230	0.023%
51823529PBP_5				
3-L6	Yellow concrete column center	0.0633	40000	4.0%
51823529PBP_6				
3-L7	Red metal door North entrance	0.0600	2000	0.20%
51823529PBP_7				
3-L8	Red metal door frame North entrance	0.0555	100	0.010%
51823529PBP_8				
3-L9	Yellow metal handrail West interior	0.0820	< 49	< 0.0049%
51823529PBP_9				
3-L10	Yellow metal handrail North exterior	0.0583	440	0.044%
51823529PBP_10				

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Taylor Davis (13)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Gareth Hoffmann
Russell Harrings

Lab Order ID: 51823529
Analysis ID: 51823529_PBP
Date Received: 9/14/2018
Date Reported: 9/20/2018

Project: Crompton and Knowles 71187168 Building 3

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
3-L11	Blue metal door north entrance exterior	0.0769	1800	0.18%
51823529PBP_11				
3-L12	Blue metal door frame north entrance exterior	0.0627	< 64	< 0.0064%
51823529PBP_12				
3-L13	Blue CMU block wall northwest	0.0548	< 73	< 0.0073%
51823529PBP_13				

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Taylor Davis (13)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director

Inspector: Gareth H.
 Date: 8/17/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area: Building 4

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
4-L1	Red	CMU Block	Wall	North Exterior	M	-0.4	< 0.0045%
4-L2	Yellow	Metal	Structural Beam	West	S	-0.3	< 0.0057%
4-L3	Blue	Metal	Elevator	Elevator	S	-0.3	< 0.0068%
4-L4	Brown	Metal	Gear Cover	Below Hopper	T	-0.1	< 0.0037%
4-L5	Blue	Metal	Structural Beam	Near Hopper	T	-0.1	0.046%
4-L6	Blue	Metal	Structural Pole	Near Hopper	T	-0.1	0.21%
4-L7	Yellow	Metal	Structural Pole	Near Eyewash Station	T	-0.2	0.076%
4-L8	Grey	Metal	Cabinet	South Corner	I	0.0	< 0.0052%
4-L9	Yellow	CMU Block	Wall	South Corner	M	-0.4	< 0.0046%
4-L10	Red	Wood	Plywood	South Interior	M	-0.4	0.010%
4-L11	Yellow	Metal	Storage Rack	South Exterior	I	-0.1	< 0.0060%
				POST CALIBRATION 1	N/A	1.0	N/A
				POST CALIBRATION 2	N/A	1.0	N/A
				POST CALIBRATION 3	N/A	1.0	N/A



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821666
Analysis ID: 51821666_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018

Project: Crompton and Knowles Building 4

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
4-L1	Red	0.0891	< 45	< 0.0045%
51821666PBP_1				
4-L2	Yellow	0.0700	< 57	< 0.0057%
51821666PBP_2				
4-L3	Blue	0.0589	< 68	< 0.0068%
51821666PBP_3				
4-L4	Brown	0.1082	< 37	< 0.0037%
51821666PBP_4				
4-L5	Blue	0.0867	460	0.046%
51821666PBP_5				
4-L6	Blue	0.0884	2100	0.21%
51821666PBP_6				
4-L7	Yellow	0.0590	760	0.076%
51821666PBP_7				
4-L8	Grey	0.0767	< 52	< 0.0052%
51821666PBP_8				
4-L9	Yellow	0.0870	< 46	< 0.0046%
51821666PBP_9				
4-L10	Red	0.0585	100	0.010%
51821666PBP_10				

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Melissa Ferrell (1)
Taylor Davis (10)
Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821666
Analysis ID: 51821666_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018

Project: Crompton and Knowles Building 4

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
4-L11	Yellow	0.0668	< 60.	< 0.0060%
51821666PBP_11				

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Melissa Ferrell (1)
Taylor Davis (10)
Analyst

Laboratory Director

Inspector: Gareth H.
 Date: 8/17/2018

Job Name: Crompton and Knowles
 Job Number: 71187168
 Area: Building 5

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
5-L1	Black	Metal	Door	South Door Entrance	M	N/A	< 0.0076%
5-L2	Yellow	Metal	Door Bumper	South Door Entrance	M	N/A	0.0086%
5-L3	White	Metal	Tank Stand	Tank T-11	S	N/A	< 0.0046%
5-L4	Black	Metal	Tank Stand	Tank T-2	S	N/A	< 0.0077%
5-L5	Yellow	Concrete	Column	Center Column	T	N/A	< 0.0052%
5-L6	Yellow	Metal	Column	Center Column	S	N/A	< 0.0065%
5-L7	Black	Metal	Column	Near Tank T-6	I	N/A	< 0.0071%
5-L8	Black	Metal	Steps	Middle Staircase	I	N/A	0.013%
5-L9	Yellow	Metal	Handrail Steps	Middle Staircase	M	N/A	0.013%
5-L10	Yellow	Metal	Handrail Second Floor	Upper Landing	S	N/A	< 0.0048%
5-L11	White	Metal	Beams	North Entrance	I	N/A	< 0.0065%
5-L12	Red	Metal	Pipe	Chiller Room	M	N/A	4.1%
5-L13	Light Blue	Metal	Chiller	Chiller Room	M	N/A	< 0.0074%
5-L14	Yellow	Metal	Pipe	Chiller Room	M	N/A	0.018%
5-L15	White	Wood	Door Frame	Chiller Room	T	N/A	< 0.0042%
5-L16	White	CMU Block	Exterior Wall	West Side	I	N/A	< 0.0063%
5-L17	White	CMU Block	Exterior Wall	East Side	I	N/A	< 0.0061%
5-L18	Yellow	Metal	Handrail Steps	West Side, North	S	N/A	0.12%
5-L19	Black	Metal	Steps	West Side, South	S	N/A	< 0.0074%
5-L20	White	Metal	Tank	West Side, North	S	N/A	< 0.0038%
5-L21	Yellow	Metal	Tank Stand	West Side, North	M	N/A	< 0.0057%
5-L22	Grey	Metal	Column	Chiller Room	I	N/A	0.0062%
5-L23	Red	Concrete	Tank Pad	West Side	M	N/A	< 0.0052%

Conditions:

(I)ntact (T)op Layer Fail (M)ultiple Layer Fail (S)ubstrate Fail



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821667
Analysis ID: 51821667_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018
Date Amended: 8/30/2018

Project: Compton and Knowles Building 5

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
5-L1	Black metal door south door entrance	0.0527	< 76	< 0.0076%
51821667PBP_1				
5-L2	Yellow metal door bumper south door entrance	0.0716	86	0.0086%
51821667PBP_2				
5-L3	White metal tank stand tank T-11	0.0875	< 46	< 0.0046%
51821667PBP_3				
5-L4	Black metal tank stand tank T-2	0.0521	< 77	< 0.0077%
51821667PBP_4				
5-L5	Yellow concrete column center column	0.0764	< 52	< 0.0052%
51821667PBP_5				
5-L6	Yellow metal column center column	0.0613	< 65	< 0.0065%
51821667PBP_6				
5-L7	Black metal column near tank T-6	0.0567	< 71	< 0.0071%
51821667PBP_7				
5-L8	Black metal steps middle staircase	0.0575	130	0.013%
51821667PBP_8				
5-L9	Yellow metal hanrail steps middle staircase	0.0712	130	0.013%
51821667PBP_9				
5-L10	Yellow metal handrail second floor upper landing	0.0833	< 48	< 0.0048%
51821667PBP_10				

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Taylor Davis (23)

Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821667
Analysis ID: 51821667_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018
Date Amended: 8/30/2018

Project: Compton and Knowles Building 5

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
5-L11	White metal beams north entrance	0.0613	< 65	< 0.0065%
51821667PBP_11				
5-L12	Red metal pipe chiller room	0.0672	41000	4.1%
51821667PBP_12				
5-L13	Light blue metal chiller chiller room	0.0541	< 74	< 0.0074%
51821667PBP_13				
5-L14	Yellow metal pipe chiller room	0.0570	180	0.018%
51821667PBP_14				
5-L15	White wood door frame chiller room	0.0948	< 42	< 0.0042%
51821667PBP_15				
5-L16	White CMU block exterior wall west side	0.0640	< 62	< 0.0063%
51821667PBP_16				
5-L17	White CMU block exterior wall west side	0.0660	< 61	< 0.0061%
51821667PBP_17				
5-L18	Yellow metal handrail steps west side, north	0.0940	1200	0.12%
51821667PBP_18				
5-L19	Black metal steps west side, south	0.0537	< 74	< 0.0074%
51821667PBP_19				
5-L20	White metal tank west side, north	0.1040	< 38	< 0.0038%
51821667PBP_20				

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Taylor Davis (23)

Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821667
Analysis ID: 51821667_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018
Date Amended: 8/30/2018

Project: Compton and Knowles Building 5

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
5-L21	Yellow metal tank stand west side, north	0.0701	< 57	< 0.0057%
51821667PBP_21				
5-L22	Grey metal column chiller room	0.0795	62	0.0062%
51821667PBP_22				
5-L23	Red concrete tank pad west side	0.0775	< 52	< 0.0052%
51821667PBP_23				

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Taylor Davis (23)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director

Inspector: Gareth H.
Date: 8/17/2018

Job Name: Crompton and Knowles
Job Number: 71187168
Area: Building 6

Sample No.	Color	Substrate	Component	Sample Location	Condition	XRF (mg/cm ²)	Lab Results (mg/cm ²)
6-L1	White	Wood	Wall	South Exterior	T	-0.3	< 0.0061%
6-L2	White	CMU Block	Wall	South Exterior	T	-0.3	< 0.0057%
6-L3	Grey	Metal	Boiler	Boiler Made in 1968	T	-0.1	0.30%
6-L4	Red	Metal	Control Panel	Boiler Made in 1968	T	-0.2	0.11%
6-L5	Yellow	Metal	Pipe	Boiler Made in 1968	T	-0.1	0.74%
6-L6	White	Metal	Boiler	Boiler Made in 1964	T	-0.3	0.0063%
6-L7	Grey	Metal	Boiler	Boiler Made in 1988	T	-0.0	< 0.0078%
6-L8	Grey	CMU Block	Wall	Room Associated With Boiler 1988	S	-0.1	0.0052%
6-L9	Grey	Metal	Support Beam	Room Associated With Boiler 1988	T	-0.3	< 0.0075%
6-L10	White	Wood	Cabinets	Sink in Room Between Boiler 1968 and 1988	M	0.3	0.95%
6-L11	Blue	Metal	Door Frame	Door Frame Near Boiler 1968	I	-0.2	0.46%
6-L12	Grey	Metal	Tank Stand	Tank Between Boiler 1968 and 1964	S	-0.2	0.22%
6-L13	Grey	Metal	Sink Basin/Top	Sink in Room Between Boiler 1968 and 1988	M	>9.9	N/A
6-L14	Yellow	Metal	Hand Railing	North Exterior	S	-0.2	0.0098%
6-L15	Off-White	Metal	Door	North Exterior	T	0.0	< 0.0054%
6-L16	Grey	Metal	Siding	North Exterior	I	-0.1	< 0.0099%
6-L17	Grey	Metal	Door Frame	North Exterior	I	-0.1	< 0.0054%
6-L18	Yellow	Metal	Pipe	Southeast Corner Exterior	T	-0.2	3.6%
				POST CALIBRATION 1	N/A	0.9	N/A
				POST CALIBRATION 2	N/A	1.0	N/A
				POST CALIBRATION 3	N/A	1.1	N/A

Conditions:

(I)ntact (T)op Layer Fail (M)ultiple Layer Fail (S)ubstrate Fail



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
2701 Westport Rd
Charlotte, NC 28208

Attn: Russell Harrings

Lab Order ID: 51821668
Analysis ID: 51821668_PBP
Date Received: 8/23/2018
Date Reported: 8/30/2018

Project: Compton and Knowles Building 6

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
6-L1	White	0.0654	< 61	< 0.0061%
51821668PBP_1				
6-L2	White	0.0703	< 57	< 0.0057%
51821668PBP_2				
6-L3	Grey	0.0578	3000	0.30%
51821668PBP_3				
6-L4	Red	0.0648	1100	0.11%
51821668PBP_4				
6-L5	Yellow	0.0973	7400	0.74%
51821668PBP_5				
6-L6	White	0.0709	63	0.0063%
51821668PBP_6				
6-L7	Grey	0.0511	< 78	< 0.0078%
51821668PBP_7				
6-L8	Grey	0.0952	52	0.0052%
51821668PBP_8				
6-L9	Grey	0.0534	< 75	< 0.0075%
51821668PBP_9				
6-L10	White	0.0864	9500	0.95%
51821668PBP_10				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Taylor Davis (17)

Analyst

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Terracon
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Lab Order ID: 51821668
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Date Received: 8/23/2018
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Project: Compton and Knowles Building 6

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
6-L11	Blue	0.0544	4600	0.46%
51821668PBP_11				
6-L12	Grey	0.0565	2200	0.22%
51821668PBP_12				
6-L13	Grey	-	Not Submitted	
51821668PBP_13				
6-L14	Yellow	0.0605	98	0.0098%
51821668PBP_14				
6-L15	Off-white	0.0743	< 54	< 0.0054%
51821668PBP_15				
6-L16	Grey	0.0405	< 99	< 0.0099%
51821668PBP_16				
6-L17	Grey	0.0736	< 54	< 0.0054%
51821668PBP_17				
6-L18	Yellow	0.0924	36000	3.6%
51821668PBP_18				

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Taylor Davis (17)

Analyst

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