



# 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:** 51819350  
**Analysis ID:** 51819350\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 7/30/2018

**Project:** Crompton And Knowles - Building 5

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-3-3	Door gasket	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819350PLM_29					Dissolved, Ashed
5-4-1	Red door gasket	None Detected		100% Other	Red Non Fibrous Homogeneous
51819350PLM_4					Dissolved, Ashed
5-4-2	Red door gasket	None Detected		100% Other	Red Non Fibrous Homogeneous
51819350PLM_30					Dissolved, Ashed
5-4-3	Red door gasket	None Detected		100% Other	Red Non Fibrous Homogeneous
51819350PLM_31					Dissolved, Ashed
5-5-1	Corrugated ceiling panel	15% Chrysotile		85% Other	Gray Fibrous Homogeneous
51819350PLM_5					Teased
5-5-2	Corrugated ceiling panel	15% Chrysotile		85% Other	Gray Fibrous Homogeneous
51819350PLM_32					Teased
5-5-3	Corrugated ceiling panel	15% Chrysotile		85% Other	Gray Fibrous Homogeneous
51819350PLM_33					Teased
5-6-1	4" Pipe coating	None Detected	10% Fiber Glass 10% Cellulose	80% Other	Brown Fibrous Homogeneous
51819350PLM_6					Teased, Crushed

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Bethany Nichols (77)

Analyst

Approved Signatory



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Lab Sample ID	Lab Notes				Treatment
5-6-2	4" Pipe coating	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Brown Fibrous Homogeneous
51819350PLM_34					Teased, Crushed
5-6-3	4" Pipe coating	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Brown Fibrous Homogeneous
51819350PLM_35					Teased, Crushed
5-7-1	Fiberglass pipe gasket	None Detected	20% Cellulose	80% Other	Brown Fibrous Heterogeneous
51819350PLM_7					Teased, Ashed
5-7-2	Fiberglass pipe gasket	None Detected	40% Cellulose 10% Fiber Glass	50% Other	Brown Fibrous Homogeneous
51819350PLM_36					Teased, Ashed
5-7-3	Fiberglass pipe gasket	None Detected	40% Cellulose 10% Fiber Glass	50% Other	Brown Fibrous Homogeneous
51819350PLM_37					Teased, Ashed
5-8-1	White concrete coating	None Detected	10% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
51819350PLM_8					Crushed
5-8-2	White concrete coating	None Detected	10% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
51819350PLM_38					Crushed
5-8-3	White concrete coating	None Detected	10% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
51819350PLM_39					Crushed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-9-1	Felt paper	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
51819350PLM_9					Teased, Ashed
5-9-2	Felt paper	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
51819350PLM_40					Teased, Ashed
5-9-3	Felt paper	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
51819350PLM_41					Teased, Ashed
5-10-1	White fabric sheet	None Detected	90% Synthetic Fibers	10% Other	Beige Fibrous Homogeneous
51819350PLM_10					Teased
5-10-2	White fabric sheet	None Detected	90% Synthetic Fibers	10% Other	Beige Fibrous Homogeneous
51819350PLM_42					Teased
5-10-3	White fabric sheet	None Detected	90% Synthetic Fibers	10% Other	Beige Fibrous Homogeneous
51819350PLM_43					Teased
5-11-1	White fabric pipe wrap	None Detected	90% Fiber Glass	10% Other	Gray Fibrous Heterogeneous
51819350PLM_11					Teased, Dissolved
5-11-2	White fabric pipe wrap	None Detected	80% Fiber Glass	20% Other	Gray Fibrous Heterogeneous
51819350PLM_44					Teased, Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-11-3	White fabric pipe wrap	None Detected	80% Fiber Glass	20% Other	Gray Fibrous Heterogeneous
51819350PLM_45					Teased, Dissolved
5-12-1	Ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819350PLM_12					Ashed, Teased
5-12-2	Ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819350PLM_46					Ashed, Teased
5-12-3	Ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819350PLM_47					Ashed, Teased
5-13-1 - A	9"x9" Floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819350PLM_13	tile				Dissolved
5-13-1 - B	9"x9" Floor tile and mastic	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51819350PLM_74	mastic				Dissolved
5-13-2 - A	9"x9" Floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819350PLM_48	tile				Dissolved
5-13-2 - B	9"x9" Floor tile and mastic	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51819350PLM_75	mastic				Dissolved

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Lab Sample ID	Lab Notes				Treatment
5-13-3 - A	9"x9" Floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819350PLM_49	tile				Dissolved
5-13-3 - B	9"x9" Floor tile and mastic	None Detected	5% Cellulose	95% Other	Black Non Fibrous Homogeneous
51819350PLM_76	mastic				Dissolved
5-14-1	Thin concrete flooring	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51819350PLM_14					Crushed
5-14-2	Thin concrete flooring	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51819350PLM_50					Crushed
5-14-3	Thin concrete flooring	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51819350PLM_51					Crushed
5-15-1	10" Chilled water pipe wrap	None Detected	30% Synthetic Fibers 10% Cellulose	60% Other	White Fibrous Heterogeneous
51819350PLM_15					Dissolved, Teased
5-15-2	10" Chilled water pipe wrap	None Detected	30% Synthetic Fibers 10% Cellulose	60% Other	White Fibrous Heterogeneous
51819350PLM_52					Dissolved, Teased
5-15-3	10" Chilled water pipe wrap	None Detected	30% Synthetic Fibers 10% Cellulose	60% Other	White Fibrous Heterogeneous
51819350PLM_53					Dissolved, Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-16-1	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_16					Dissolved
5-16-2 - A	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_54	coating				Dissolved
5-16-2 - B	CMU coating	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
51819350PLM_77	tar				Dissolved
5-16-3	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_55					Dissolved
5-16-4	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_70					Dissolved
5-16-5	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_71					Dissolved
5-16-6	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_72					Dissolved
5-16-7	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819350PLM_73					Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-17-1	Window glazing	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
51819350PLM_17					Dissolved
5-17-2	Window glazing	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
51819350PLM_56					Dissolved
5-17-3	Window glazing	None Detected	3% Other	97% Other	Tan Non Fibrous Homogeneous
51819350PLM_57					Crushed
5-18-1	White caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819350PLM_18					Ashed
5-18-2	White caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819350PLM_58					Ashed
5-18-3	White caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819350PLM_59					Ashed
5-19-1	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_19					Ashed
5-19-2	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_60					Ashed

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Lab Sample ID	Lab Notes				Treatment
5-19-3	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_61					Ashed
5-20-1	White wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_20					Dissolved, Ashed
5-20-2	White wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_62					Dissolved, Ashed
5-20-3	White wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819350PLM_63					Dissolved, Ashed
5-21-1	Roof shingles	None Detected	20% Fiber Glass	80% Other	Black, Gray, White Fibrous Heterogeneous
51819350PLM_21					Dissolved, Teased
5-21-2	Roof shingles	None Detected	35% Cellulose	65% Other	Black, Gray Fibrous Heterogeneous
51819350PLM_64					Dissolved, Teased
5-21-3	Roof shingles	None Detected	35% Cellulose	65% Other	Black, Gray Fibrous Heterogeneous
51819350PLM_65					Dissolved, Teased
5-22-1	Silver caulk	None Detected		100% Other	Silver, Brown Non Fibrous Heterogeneous
51819350PLM_22					Ashed

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Lab Sample ID	Lab Notes				Treatment
5-22-2	Silver caulk	None Detected		100% Other	Silver, Brown Non Fibrous Heterogeneous
51819350PLM_66					Ashed
5-22-3	Silver caulk	None Detected		100% Other	Silver Non Fibrous Homogeneous
51819350PLM_67					Ashed
5-23-1	6" Pipe insulation with metal jacket	None Detected	20% Cellulose	80% Other	White Fibrous Homogeneous
51819350PLM_23					Teased
5-23-2	6" Pipe insulation with metal jacket	None Detected	20% Cellulose	80% Other	White Fibrous Homogeneous
51819350PLM_68					Teased
5-23-3	6" Pipe insulation with metal jacket	None Detected	20% Cellulose	80% Other	White Fibrous Homogeneous
51819350PLM_69					Teased

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Bethany Nichols (77)

Analyst

Approved Signatory

Inspector: Russell Harrings/ Gareth Hoffmann  
 License: 12222 / 13054  
 Date: 7/24/2018 & 7/26/2018

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

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
5-24-1	Vermiculite	Found inside CMU wall cavities	EXT		good	friable	none detected
5-24-2	Vermiculite	Found inside CMU wall cavities	EXT				none detected
5-24-3	Vermiculite	Found inside CMU wall cavities	EXT				none detected



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**Attn:** Russell Harrings

**Lab Order ID:** 51820219  
**Analysis ID:** 51820219\_PLM  
**Date Received:** 8/7/2018  
**Date Reported:** 8/13/2018

**Project:** Crompton & Knowles - Building 5 - 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-24-1	Vermiculite	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820219PLM_1					Dissolved
5-24-2	Vermiculite	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820219PLM_2					Dissolved
5-24-3	Vermiculite	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820219PLM_3					Dissolved

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Philip Szabo (3)

Analyst

Approved Signatory

Inspector: Russell Harrings/ Gareth Hoffmann  
License: 12222 / 13054  
Date: 7/24/2018 & 7/26/2018

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

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
5-24-4	Vermiculite	Found inside CMU wall cavities	EXT	good		friable	none detected



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

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<b>Client:</b> Terracon 2701 Westport Rd Charlotte, NC 28208	<b>Attn:</b> Russell Harrings	<b>Lab Order ID:</b> 51820945
<b>Project:</b> Crompton & Knowles Building 5		<b>Date Received:</b> 8/15/2018
		<b>Date Reported:</b> 8/21/2018
		<b>Page:</b> 1 of 1

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Sample ID	Description	Assessment for Asbestos Presence
Lab Sample ID	Lab Notes	
5-24-4	<i>PLM Analysis of "Floats &amp; Sinks"</i>	None Detected
51820945VAI_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  $1.0 \times 10^6$  fibers/gram, unless a lower detection limit is requested.

Ired Gulley  
Analyst

Lab Director

Inspector: Russell Harrings  
 License: 12222  
 Date: 8/17/2018

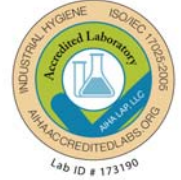
Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 5

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
5-25-1	grey window caulk	west corner	ext	good		non-friable	none detected
5-25-2	grey window caulk	south corner	ext				none detected
5-25-3	grey window caulk	southeast wall	ext				none detected
5-26-1	grey duct mastic	furnace roof	R	significantly		non-friable	none detected
5-26-2	grey duct mastic	furnace roof	R	damaged			none detected
5-26-3	grey duct mastic	furnace roof	R				none detected
5-27-1	built-up roof membrane	east corner	R	good		non-friable	none detected
5-27-2	built-up roof membrane	south corner	R				none detected
5-27-3	built-up roof membrane	west corner	R				none detected
5-28-1	roof flashing	east corner	R	good	500 ft	non-friable	2% Chrysotile
5-28-2	roof flashing	south corner	R				2% Chrysotile
5-28-3	roof flashing	west corner	R				2% Chrysotile
5-29-1	grey pipe coating	south corner	R	significantly		non-friable	none detected
5-29-2	grey pipe coating	southwest wall	R	damaged			none detected
5-29-3	grey pipe coating	southwest 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:** 51821956  
**Analysis ID:** 51821956\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles; Building 5

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-25-1	Grey window caulk	None Detected		100% Other	Gray, Transparent Non Fibrous Homogeneous
51821956PLM_1					Ashed
5-25-2	Grey window caulk	None Detected		100% Other	Gray, Transparent Non Fibrous Homogeneous
51821956PLM_2					Ashed
5-25-3	Grey window caulk	None Detected		100% Other	Gray, Transparent Non Fibrous Homogeneous
51821956PLM_3					Ashed
5-26-1	Grey duct mastic	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821956PLM_4					Crushed, Ashed
5-26-2	Grey duct mastic	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821956PLM_5					Crushed, Ashed
5-26-3	Grey duct mastic	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821956PLM_6					Crushed, Ashed
5-27-1 - A	Built-up roof membrane	None Detected	30% Fiber Glass	70% Other	Black Non Fibrous Homogeneous
51821956PLM_7	built up roofing				Crushed, Dissolved
5-27-1 - B	Built-up roof membrane	None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
51821956PLM_16	insulation				Teased

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Heather Davide (21)

Analyst

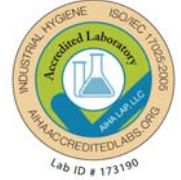
Approved Signatory





# Bulk Asbestos Analysis

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



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2701 Westport Rd  
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**Analysis ID:** 51821956\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles; Building 5

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
5-28-2	Roof flashing	2% Chrysotile	30% Cellulose	68% Other	Black, Silver Non Fibrous Homogeneous
51821956PLM_11					Crushed, Dissolved
5-28-3	Roof flashing	2% Chrysotile	30% Cellulose	68% Other	Black, Silver Non Fibrous Homogeneous
51821956PLM_12					Crushed, Dissolved
5-29-1	Grey pipe coating	None Detected	10% Fiber Glass	90% Other	Gray, Tan Non Fibrous Homogeneous
51821956PLM_13					Crushed, Ashed
5-29-2	Grey pipe coating	None Detected	15% Fiber Glass	85% Other	Gray, Tan Non Fibrous Homogeneous
51821956PLM_14					Crushed, Ashed
5-29-3	Grey pipe coating	None Detected	15% Fiber Glass	85% Other	Gray, Tan Non Fibrous Homogeneous
51821956PLM_15					Crushed, Ashed

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Heather Davide (21)

Analyst

Approved Signatory

Inspector: Gareth HoffmannLicense: 13054Date: 7/24/2018Job Name: Crompton and KnowlesJob Number: 71187168Building: 6

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
6-1-1	Refractory Block	York-Shipley Boiler (205900) Interior of Boiler	1			non-friable	none detected
6-1-2	Refractory Block	York-Shipley Boiler (205900) Interior of Boiler	1				none detected
6-1-3	Refractory Block	York-Shipley Boiler (205900) Interior of Boiler	1				none detected
6-2-1	Refractory Block with Top Layer	York-Shipley Boiler (205900) on Interior of Door	1			friable	none detected
6-2-2	Refractory Block with Top Layer	York-Shipley Boiler (205900) on Interior of Door	1				none detected
6-2-3	Refractory Block with Top Layer	York-Shipley Boiler (205900) on Interior of Door	1				none detected
6-3-1	Boiler Door Rope Gasket	Found on York-Shipley Door	1			non-friable	none detected
6-3-2	Boiler Door Rope Gasket	Found on York-Shipley Door	1				none detected
6-3-3	Boiler Door Rope Gasket	Found on York-Shipley Door	1				none detected
6-4-1	Clear Caulk	South Door Frame	1			non-friable	none detected
6-4-2	Clear Caulk	South Door Frame	1				none detected
6-4-3	Clear Caulk	South Door Frame	1				none detected
6-5-1	Window Glazing - Grey	Interior Window Closest to York Shipley Boiler	1			friable	none detected
6-5-2	Window Glazing - Grey	Interior Window Closest to Superior Boiler	1				none detected
6-5-3	Window Glazing - Grey	Interior Window Closest to Continental Boiler	1				none detected
6-6-1	Fiberboard - Brown	Inside of Electrical Room Panels	1			non-friable	none detected
6-6-2	Fiberboard - Brown	Inside of Electrical Room Panels	1				none detected
6-6-3	Fiberboard - Brown	Inside of Electrical Room Panels	1				none detected
6-7-1	Boiler Door Gasket	Superior Boiler (205165)	1			non-friable	none detected
6-7-2	Boiler Door Gasket	Superior Boiler (205165)	1				none detected
6-7-3	Boiler Door Gasket	Superior Boiler (205165)	1				none detected
6-8-1	3" Pipe Insulation	3" Straight section along wall leading to York-Shipley boiler	1			friable	none detected
6-8-2	3" Pipe Insulation	3" Straight section along side of Superior boiler between Continental boiler	1				none detected
6-8-3	3" Pipe Insulation	3" Straight section found coming out of 12" header	1				none detected
6-9-1	3" Pipe Insulation	Elbow section found on 3" pipe along wall leading to York-Shipley boiler	1			friable	none detected
6-9-2	3" Pipe Insulation	Elbow section of 3" pipe along side of Superior boiler between Continental boiler	1				none detected
6-9-3	3" Pipe Insulation	Elbow section of 3" pipe along side of Superior boiler between Continental boiler	1				none detected
6-10-1	12" Header insulation	Header where 3", 6", and 10" pipes meet	1	significantly damaged	15 ft	friable	10% Amosite 2% Chrysotile
6-10-2	12" Header insulation	Header where 3", 6", and 10" pipes meet	1				10% Amosite 2% Chrysotile

Inspector: Gareth HoffmannLicense: 13054Date: 7/24/2018Job Name: Crompton and KnowlesJob Number: 71187168Building: 6

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
6-10-3	12" Header insulation	Header where 3", 6", and 10" pipes meet	1				10% Amosite 2% Chrysotile
6-11-1	6" Pipe Insulation	6" Straight section found near Superior boiler	1	significantly damaged	30 ft *	friable	15% Amosite 5% Chrysotile
6-11-2	6" Pipe Insulation	6" Straight section found coming out of 12" header	1				none detected
6-11-3	6" Pipe Insulation	6" Straight section found coming out of 12" header	1				15% Amosite 5% Chrysotile
6-12-1	6" Pipe Insulation Elbow	Elbow section of 6" pipe found near Superior boiler	1	significantly damaged	15 elbows *	friable	20% Chrysolite
6-12-2	6" Pipe Insulation Elbow	Elbow section found on 6" pipe coming out of 12" header	1				20% Chrysolite
6-12-3	6" Pipe Insulation Elbow	Elbow section found on 6" pipe coming out of 12" header	1				15% Chrysotile 2% Amosite
6-13-1	12" Valve insulation	12" Valve found on Header	1			friable	none detected
6-13-2	12" Valve insulation	12" Valve found on Header	1				none detected
6-13-3	12" Valve insulation	12" Valve found on Header	1				none detected
6-14-1	Expansion Tank Insulation	Sampled closest to wall on expansion tank	1			friable	none detected
6-14-2	Expansion Tank Insulation	Sampled in middle of expansion tank	1				none detected
6-14-3	Expansion Tank Insulation	Sampled on part of expansion tank farthest from wall	1				none detected
6-15-1	Boiler Insulation	Continental Auto boiler skin insulation sampled near window	1	good	300 ft <sup>2</sup>	friable	30% Chrysotile
6-15-2	Boiler Insulation	Continental Auto boiler skin insulation sampled near wall	1				30% Chrysotile
6-15-3	Boiler Insulation	Continental Auto boiler skin insulation sampled close to boiler door	1				30% Chrysotile
6-16-1	Boiler Door Rope Gasket	Found on Continental Auto boiler door	1			friable	none detected
6-16-2	Boiler Door Rope Gasket	Found on Continental Auto boiler door	1				none detected
6-16-3	Boiler Door Rope Gasket	Found on Continental Auto boiler door	1				none detected
6-17-1	Refractory Block	Found on Continental Auto boiler door	1			friable	none detected
6-17-2	Refractory Block	Found on Continental Auto boiler door	1				none detected
6-17-3	Refractory Block	Found on Continental Auto boiler door	1				none detected
6-18-1	6" Pipe Insulation Elbow	Elbow of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled closest to wall	1	significantly damaged	15 elbows *	friable	30% Chrysotile

Inspector: Gareth Hoffmann  
 License: 13054  
 Date: 7/24/2018

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

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
6-18-2	6" Pipe Insulation Elbow	Elbow of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled middle of pipe run	1				10% Chrysotile
6-18-3	6" Pipe Insulation Elbow	Elbow of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled closest to continental boiler	1				10% Chrysotile
6-19-1	6" Pipe Insulation	Straight section of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled closest to wall	1	significantly damaged	>150 ft *	friable	15% Amosite 5% Chrysotile
6-19-2	6" Pipe Insulation	Straight section of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled middle of pipe run	1				15% Amosite 2% Chrysotile
6-19-3	6" Pipe Insulation	Straight section of 6" Pipe found coming from Continental Auto boiler going towards York boiler, sampled closest to continental boiler	1				15% Amosite 2% Chrysotile
6-20-1	Wire Insulation - Black	Near Superior boiler marked 440 volts	1			non-friable	none detected
6-20-2	Wire Insulation - Black	Near Superior boiler marked 440 volts	1				none detected
6-20-3	Wire Insulation - Black	Near Superior boiler marked 440 volts	1				none detected
6-21-1	CMU Coating	East wall in York-Shipley boiler room	1			non-friable	none detected
6-21-2	CMU Coating	North wall in York-Shipley boiler room	1				none detected
6-21-3	CMU Coating	West wall in York-Shipley boiler room	1				none detected
6-22-1	CMU Coating	Northeast of building exterior wall	EXT			non-friable	none detected
6-22-2	CMU Coating	East, middle of building exterior wall	EXT				none detected
6-22-3	CMU Coating	Southeast of building exterior wall	EXT				none detected
6-22-4	CMU Coating	South of building exterior wall	EXT				none detected
6-22-5	CMU Coating	Southwest of building exterior wall	EXT				none detected

\* Pipe insulation extends outside building to other buildings on site.

Superior Boiler interior refractory and etc. was not observed or sampled - unable to open boiler door  
 York Boiler had fiberglass insulation observed on piping system and boiler skin.  
 Superior Boiler had fiberglass insulation observed on boiler skin.



# 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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-1-1	Refractory block	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819352PLM_1					Crushed
6-1-2	Refractory block	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819352PLM_23					Crushed
6-1-3	Refractory block	None Detected		100% Other	Tan Non Fibrous Homogeneous
51819352PLM_24					Crushed
6-2-1	Refractory block with top layer	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819352PLM_2					Crushed
6-2-2	Refractory block with top layer	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819352PLM_25					Crushed
6-2-3	Refractory block with top layer	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51819352PLM_26					Crushed
6-3-1	Boiler door rope gasket	None Detected	90% Fiber Glass	10% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_3					Teased, Crushed
6-3-2	Boiler door rope gasket	None Detected	90% Fiber Glass	10% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_27					Teased, Crushed

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Bethany Nichols (78)

Analyst

Approved Signatory



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-3-3	Boiler door rope gasket	None Detected	90% Fiber Glass	10% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_28					Teased, Crushed
6-4-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819352PLM_4					Ashed
6-4-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819352PLM_29					Ashed
6-4-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819352PLM_30					Ashed
6-5-1	Window glazing - grey	None Detected		100% Other	White Non Fibrous Homogeneous
51819352PLM_5					Dissolved
6-5-2	Window glazing - grey	None Detected		100% Other	White Non Fibrous Homogeneous
51819352PLM_31					Dissolved
6-5-3	Window glazing - grey	None Detected		100% Other	White Non Fibrous Homogeneous
51819352PLM_32					Dissolved
6-6-1	Fiberboard - brown	None Detected	90% Cellulose	10% Other	Black Fibrous Homogeneous
51819352PLM_6					Ashed, Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-6-2	Fiberboard - brown	None Detected	90% Cellulose	10% Other	Black Fibrous Homogeneous
51819352PLM_33					Ashed, Teased
6-6-3	Fiberboard - brown	None Detected	90% Cellulose	10% Other	Black Fibrous Homogeneous
51819352PLM_34					Ashed, Teased
6-7-1	Boiler door gasket	None Detected	80% Fiber Glass	20% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_7					Teased, Crushed
6-7-2	Boiler door gasket	None Detected	80% Fiber Glass	20% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_35					Teased, Crushed
6-7-3	Boiler door gasket	None Detected	80% Fiber Glass	20% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_36					Teased, Crushed
6-8-1 - A	3" Pipe insulation	None Detected	90% Cellulose	10% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_8	wrap				Teased, Ashed
6-8-1 - B	3" Pipe insulation	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
51819352PLM_69	insulation				Ashed, Teased
6-8-2 - A	3" Pipe insulation	None Detected	90% Cellulose	10% Other	Tan, Gray Fibrous Heterogeneous
51819352PLM_37	wrap				Teased, Ashed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-8-2 - B	3" Pipe insulation	None Detected	50% Cellulose	50% Other	White Fibrous Homogeneous
51819352PLM_70	insulation				Teased, Ashed
6-8-3 - A	3" Pipe insulation	None Detected	90% Cellulose	10% Other	Tan, Gray Fibrous Heterogeneous
51819352PLM_38	wrap				Teased, Ashed
6-8-3 - B	3" Pipe insulation	None Detected	50% Cellulose	50% Other	White Fibrous Homogeneous
51819352PLM_71	insulation				Teased, Ashed
6-9-1	3" Pipe insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819352PLM_9					Teased, Crushed
6-9-2	3" Pipe insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819352PLM_39					Teased, Crushed
6-9-3	3" Pipe insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819352PLM_40					Teased, Ashed
6-10-1	12" Header insulation	10% Amosite 2% Chrysotile	30% Cellulose	58% Other	White, Tan, Brown Fibrous Heterogeneous
51819352PLM_10	unable to separate layers				Teased
6-10-2	12" Header insulation	10% Amosite 2% Chrysotile	30% Cellulose	58% Other	White, Tan, Brown Fibrous Heterogeneous
51819352PLM_41	unable to separate layers				Teased

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**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-10-3	12" Header insulation	10% Amosite 2% Chrysotile	30% Cellulose	58% Other	White, Tan, Brown Fibrous Heterogeneous
51819352PLM_42	unable to separate layers				Teased
6-11-1	6" Pipe insulation	15% Amosite 5% Chrysotile	30% Cellulose	50% Other	Tan, Gray, Brown Fibrous Heterogeneous
51819352PLM_11	unable to separate layers				Teased, Crushed
6-11-2 - A	6" Pipe insulation	None Detected	70% Cellulose	30% Other	Tan, Gray Fibrous Heterogeneous
51819352PLM_43	wrap				Teased, Ashed
6-11-2 - B	6" Pipe insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819352PLM_72	insulation				Teased, Crushed
6-11-3	6" Pipe insulation	15% Amosite 5% Chrysotile	30% Cellulose	50% Other	Tan, Gray, Brown Fibrous Heterogeneous
51819352PLM_44	unable to separate layers				Teased, Crushed
6-12-1	6" Pipe insulation	20% Chrysotile	30% Cellulose 20% Fiber Glass	30% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_12	unable to separate layers				Teased, Crushed
6-12-2	6" Pipe insulation	20% Chrysotile	30% Cellulose 20% Fiber Glass	30% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_45	unable to separate layers				Teased, Crushed
6-12-3	6" Pipe insulation	15% Chrysotile 2% Amosite	20% Cellulose	63% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_46	unable to separate layers				Teased, Crushed

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Bethany Nichols (78)

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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-13-1 - A	12" Valve insulation	None Detected	70% Cellulose	30% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_13	wrap				Dissolved, Teased
6-13-1 - B	12" Valve insulation	None Detected	5% Synthetic Fibers	95% Other	Yellow Fibrous Homogeneous
51819352PLM_73	insulation				Teased, Crushed
6-13-2 - A	12" Valve insulation	None Detected	70% Cellulose	30% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_47	wrap				Dissolved, Teased
6-13-2 - B	12" Valve insulation	None Detected	5% Synthetic Fibers	95% Other	Yellow Fibrous Homogeneous
51819352PLM_74	insulation				Teased, Crushed
6-13-3 - A	12" Valve insulation	None Detected	70% Cellulose	30% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_48	wrap				Dissolved, Teased
6-13-3 - B	12" Valve insulation	None Detected	5% Synthetic Fibers	95% Other	Yellow Fibrous Homogeneous
51819352PLM_75	insulation				Teased, Crushed
6-14-1 - A	Expansion tank insulation	None Detected	20% Cellulose	80% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_14	sealant on wrap				Dissolved, Teased
6-14-1 - B	Expansion tank insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819352PLM_76	insulation				Teased, Crushed

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Bethany Nichols (78)

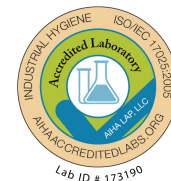
Analyst

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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-14-2 - A	Expansion tank insulation	<b>None Detected</b>	30% Cellulose 10% Fiber Glass	60% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_49	sealant on wrap				Dissolved, Teased
6-14-2 - B	Expansion tank insulation	<b>None Detected</b>	20% Cellulose	80% Other	Gray Fibrous Homogeneous
51819352PLM_77	insulation				Teased
6-14-3 - A	Expansion tank insulation	<b>None Detected</b>	30% Cellulose 20% Fiber Glass	50% Other	Gray, Tan Fibrous Heterogeneous
51819352PLM_50	sealant on wrap				Dissolved, Teased
6-14-3 - B	Expansion tank insulation	<b>None Detected</b>		100% Other	White Non Fibrous Homogeneous
51819352PLM_78	insulation				Crushed
6-15-1	Boiler insulation	<b>30% Chrysotile</b>		70% Other	Gray Fibrous Homogeneous
51819352PLM_15					Teased, Crushed
6-15-2	Boiler insulation	<b>30% Chrysotile</b>		70% Other	Gray Fibrous Homogeneous
51819352PLM_51					Teased, Crushed
6-15-3	Boiler insulation	<b>30% Chrysotile</b>		70% Other	Gray Fibrous Homogeneous
51819352PLM_52					Teased, Crushed
6-16-1	Boiler door rope gasket	<b>None Detected</b>	90% Fiber Glass	10% Other	Brown, Gray Fibrous Heterogeneous
51819352PLM_16					Teased, Crushed

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Bethany Nichols (78)

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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-16-2	Boiler door rope gasket	None Detected	95% Fiber Glass	5% Other	Gray Fibrous Heterogeneous
51819352PLM_53					Teased, Crushed
6-16-3	Boiler door rope gasket	None Detected	95% Fiber Glass	5% Other	Gray Fibrous Heterogeneous
51819352PLM_54					Teased, Crushed
6-17-1	Refractory block	None Detected		100% Other	Brown, White Non Fibrous Heterogeneous
51819352PLM_17					Crushed
6-17-2	Refractory block	None Detected		100% Other	Brown, White Non Fibrous Heterogeneous
51819352PLM_55					Crushed
6-17-3	Refractory block	None Detected		100% Other	Brown, White Non Fibrous Heterogeneous
51819352PLM_56					Crushed
6-18-1	6" Pipe insulation	30% Chrysotile	20% Cellulose	50% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_18	unable to separate layers				Teased, Crushed
6-18-2	6" Pipe insulation	10% Chrysotile	20% Cellulose 20% Fiber Glass	50% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_57	unable to separate layers				Teased, Crushed
6-18-3	6" Pipe insulation	10% Chrysotile	20% Cellulose 20% Fiber Glass	50% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_58	unable to separate layers				Teased, Crushed

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Bethany Nichols (78)

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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-19-1	6" Pipe insulation	15% <b>Amosite</b> 5% <b>Chrysotile</b>	20% Cellulose	60% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_19	unable to separate layers				Teased, Crushed
6-19-2	6" Pipe insulation	15% <b>Amosite</b> 2% <b>Chrysotile</b>	20% Cellulose	63% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_59	unable to separate layers				Teased, Crushed
6-19-3	6" Pipe insulation	15% <b>Amosite</b> 2% <b>Chrysotile</b>	20% Cellulose	63% Other	Gray, Brown Fibrous Heterogeneous
51819352PLM_60	unable to separate layers				Teased, Crushed
6-20-1	Wire insulation - black	None Detected	80% Cellulose	20% Other	Black, Tan Fibrous Heterogeneous
51819352PLM_20					Dissolved, Teased
6-20-2	Wire insulation - black	None Detected	90% Cellulose	10% Other	Black, Tan Fibrous Heterogeneous
51819352PLM_61					Dissolved, Teased
6-20-3	Wire insulation - black	None Detected	90% Cellulose	10% Other	Black, Tan Fibrous Heterogeneous
51819352PLM_62					Dissolved, Teased
6-21-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819352PLM_21					Dissolved
6-21-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819352PLM_63					Dissolved

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Bethany Nichols (78)

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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:** 51819352  
**Analysis ID:** 51819352\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/3/2018

**Project:** Crompton And Knowles - Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-21-3	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_64					Dissolved
6-22-1	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_22					Dissolved
6-22-2	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_65					Dissolved
6-22-3	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_66					Dissolved
6-22-4	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_67					Dissolved
6-22-5	CMU coating	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819352PLM_68					Dissolved

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Bethany Nichols (78)

Analyst

Approved Signatory



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

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

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
6-23-1	grey pipe coating	north corner	R	good		non-friable	none detected
6-23-2	grey pipe coating	north corner	R				none detected
6-23-3	grey pipe coating	north corner	R				none detected
6-24-1	white roof coating	metal roof opening	R	good		non-friable	none detected
6-24-2	white roof coating	metal roof opening	R				none detected
6-24-3	white roof coating	metal roof opening	R				none detected
6-25-1	built-up roof membrane	west corner	R	good		non-friable	none detected
6-25-2	built-up roof membrane	middle of roof	R				none detected
6-25-3	built-up roof membrane	east corner	R				none detected
6-26-1	roof flashing	west vent	R	good	250 ft	non-friable	2% Chrysotile
6-26-2	roof flashing	east vent	R				2% Chrysotile
6-26-3	roof flashing	east corner wall	R				none detected
6-27-1	silver paint	west vent	R	good	30 ft <sup>2</sup>	non-friable	3% Chrysotile
6-27-2	silver paint	south vent	R				3% Chrysotile
6-27-3	silver paint	east vent	R				3% Chrysotile



# 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:** 51821955  
**Analysis ID:** 51821955\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-23-1	Grey pipe coating	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821955PLM_1					Crushed, Ashed
6-23-2	Grey pipe coating	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821955PLM_2					Crushed, Ashed
6-23-3	Grey pipe coating	None Detected	20% Fiber Glass	80% Other	Gray Non Fibrous Homogeneous
51821955PLM_3					Crushed, Ashed
6-24-1	White roof coating	None Detected		100% Other	White Non Fibrous Homogeneous
51821955PLM_4					Crushed, Ashed
6-24-2	White roof coating	None Detected		100% Other	White Non Fibrous Homogeneous
51821955PLM_5					Crushed, Ashed
6-24-3	White roof coating	None Detected		100% Other	White Non Fibrous Homogeneous
51821955PLM_6					Crushed, Ashed
6-25-1 - A	Built up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Homogeneous
51821955PLM_7	<i>built up roofing</i>				Crushed, Ashed
6-25-1 - B	Built up roof membrane	None Detected	85% Cellulose	10% Perlite 5% Other	Brown Fibrous Heterogeneous
51821955PLM_16	<i>insulation</i>				Teased

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Heather Davide (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:** 51821955  
**Analysis ID:** 51821955\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-25-2 - A	Built up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Homogeneous
51821955PLM_8	built up roofing				Crushed, Ashed
6-25-2 - B	Built up roof membrane	None Detected	90% Cellulose	8% Perlite 2% Other	Brown Fibrous Heterogeneous
51821955PLM_17	insulation				Teased
6-25-3 - A	Built up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Homogeneous
51821955PLM_9	built up roofing				Crushed, Ashed
6-25-3 - B	Built up roof membrane	None Detected	90% Cellulose	8% Perlite 2% Other	Brown Fibrous Heterogeneous
51821955PLM_18	insulation				Teased
6-26-1	Roof flashing	2% Chrysotile	20% Fiber Glass	78% Other	Black, Silver Non Fibrous Homogeneous
51821955PLM_10					Crushed, Dissolved
6-26-2	Roof flashing	2% Chrysotile	20% Fiber Glass	78% Other	Black, Silver Non Fibrous Homogeneous
51821955PLM_11					Crushed, Dissolved
6-26-3	Roof flashing	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Homogeneous
51821955PLM_12					Crushed, Dissolved
6-27-1	Silver paint	3% Chrysotile		97% Other	Silver Non Fibrous Homogeneous
51821955PLM_13					Crushed, Dissolved

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Heather Davide (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:** 51821955  
**Analysis ID:** 51821955\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles Building 6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
6-27-2	Silver paint	3% Chrysotile		97% Other	Silver Non Fibrous Homogeneous
51821955PLM_14					Crushed, Dissolved
6-27-3	Silver paint	3% Chrysotile		97% Other	Silver Non Fibrous Homogeneous
51821955PLM_15					Crushed, Dissolved

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Heather Davide (18)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann  
 License: 13054  
 Date: 7/24/2018 - 7/26/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 7

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
7-1-1	CMU Coating	Exterior Wall - West Wall	EXT			friable	none detected
7-1-2	CMU Coating	Exterior Wall - South Wall	EXT				none detected
7-1-3	CMU Coating	Exterior Wall - East Wall	EXT				none detected
7-2-1	CMU Coating	Interior Wall Above Ceiling Grid-Breakroom	1	significantly damaged	4,600 ft <sup>2</sup>	friable	<1% Chrysotile
7-2-2	CMU Coating	Interior Wall - Locker Room West	1				<1% Chrysotile
7-2-3	CMU Coating	Interior Wall - Locker Room East	1				<1% Chrysotile
7-3-1	3" Pipe Valve Insulation	Mechanical Room	1	damaged	1 valve	friable	Wr: 5% Chrysotile In: none detected
7-3-2	3" Pipe Valve Insulation	Mechanical Room	1				Wr: 5% Chrysotile In: none detected
7-3-3	3" Pipe Valve Insulation	Mechanical Room	1				Wr: 5% Chrysotile In: none detected
7-4-1	Window Glazing - Grey	Hallway Between Showers and Mechanical Room	1	significantly damaged	1 window	friable	2% Chrysotile
7-4-2	Window Glazing - Grey	Hallway Between Showers and Mechanical Room	1				2% Chrysotile
7-4-3	Window Glazing - Grey	Hallway Between Showers and Mechanical Room	1				2% Chrysotile
7-5-1	2'x4' Pinhole Ceiling Tile	Hallway Leading to Mechanical Room	1		50 ft <sup>2</sup>	friable	none detected
7-5-2	2'x4' Pinhole Ceiling Tile	Hallway Leading to Mechanical Room	1				none detected
7-5-3	2'x4' Pinhole Ceiling Tile	Hallway Leading to Mechanical Room	1				none detected
7-6-1	6" Pipe Insulation	Exterior Elbow of Pipe Coming out of Building	EXT	good	5 ft*	friable	Wr: 5% Chrysotile Fl: 30% Chrysotile In: 15% Amosite, 5% Chrysotile
7-6-2	6" Pipe Insulation	Exterior Straight Section of Pipe Coming out of Building	EXT				Wr: 10% Chrysotile Fl: 30% Chrysotile In: 15% Amosite, 5% Chrysotile
7-6-3	6" Pipe Insulation	Exterior Elbow of Pipe Coming out of Building	EXT				Wr: 5% Chrysotile Fl: 30% Chrysotile In: 15% Amosite, 5% Chrysotile

Inspector: Gareth Hoffmann  
 License: 13054  
 Date: 7/24/2018 - 7/26/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 7

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
7-7-1	3" Pipe Insulation	Pipe Coming out of Building on Inside of Wall	1	good	5 ft*	friable	10% Chrysotile, 10% Amosite
7-7-2	3" Pipe Insulation	Pipe Coming out of Building on Exterior	EXT				10% Chrysotile, 10% Amosite
7-7-3	3" Pipe Insulation	Pipe Coming out of Building on Inside of Wall at Elbow	1				10% Chrysotile, 10% Amosite
7-8-1	White Caulk	Front Door Frame - Exterior	EXT		20 ft	non-friable	none detected
7-8-2	White Caulk	Front Door Frame - Exterior	EXT				none detected
7-8-3	White Caulk	Front Door Frame - Exterior	EXT				none detected
7-9-1	Clear Caulk	Door Frame - Interior of Breakroom	1		100 ft	non-friable	none detected
7-9-2	Clear Caulk	Window Frame - Breakroom	1				none detected
7-9-3	Clear Caulk	Door Frame - Exterior of Locker Rooms	EXT				none detected
7-10-1	2'x4' Pinhole and Fissure Ceiling	Break Room Ceiling	1		100 ft <sup>2</sup>	friable	none detected
7-10-2	2'x4' Pinhole and Fissure Ceiling	Break Room Ceiling	1				none detected
7-10-3	2'x4' Pinhole and Fissure Ceiling	Break Room Ceiling	1				none detected
7-11-1	Grey Caulk	Breakroom Window Frame - West Exterior	EXT		20 ft	non-friable	none detected
7-11-2	Grey Caulk	Breakroom Window Frame - West Exterior	EXT				none detected
7-11-3	Grey Caulk	Breakroom Window Frame - West Exterior	EXT				none detected

\* Pipe insulation transitioned to fiberglass approximately 5 feet from exterior wall of building.



# 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:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-1-1	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819353PLM_1					Dissolved
7-1-2	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819353PLM_12					Dissolved
7-1-3	CMU coating	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
51819353PLM_13					Dissolved
7-2-1	CMU coating	< 1% Chrysotile		100% Other	Gray Non Fibrous Heterogeneous
51819353PLM_2					Dissolved
7-2-2	CMU coating	< 1% Chrysotile		100% Other	Gray Non Fibrous Heterogeneous
51819353PLM_14					Dissolved
7-2-3	CMU coating	< 1% Chrysotile		100% Other	Gray Non Fibrous Heterogeneous
51819353PLM_15					Dissolved
7-3-1 - A	3" Pipe valve insulation	5% Chrysotile	20% Fiber Glass	75% Other	Gray Fibrous Heterogeneous
51819353PLM_3	wrap				Dissolved, Teased
7-3-1 - B	3" Pipe valve insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819353PLM_34	insulation				Teased, Crushed

**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%.

Bethany Nichols (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:** Russell Harrings

**Lab Order ID:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-3-2 - A	3" Pipe valve insulation	5% Chrysotile	30% Fiber Glass	65% Other	Gray Fibrous Heterogeneous
51819353PLM_16	wrap				Dissolved, Teased
7-3-2 - B	3" Pipe valve insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819353PLM_35	insulation				Teased, Crushed
7-3-3 - A	3" Pipe valve insulation	5% Chrysotile	20% Fiber Glass	75% Other	Gray Fibrous Heterogeneous
51819353PLM_17	wrap				Dissolved, Teased
7-3-3 - B	3" Pipe valve insulation	None Detected	30% Fiber Glass	70% Other	Gray Fibrous Homogeneous
51819353PLM_36	insulation				Teased, Crushed
7-4-1	Window glazing - grey	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
51819353PLM_4					Dissolved
7-4-2	Window glazing - grey	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
51819353PLM_18					Dissolved
7-4-3	Window glazing - grey	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
51819353PLM_19					Dissolved
7-5-1	2'x4' Pinhole ceiling tile	None Detected	80% Mineral Wool	20% Other	White, Gray Fibrous Homogeneous
51819353PLM_5					Teased, Crushed

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Bethany Nichols (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:** Russell Harrings

**Lab Order ID:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-5-2	2'x4' Pinhole ceiling tile	None Detected	80% Mineral Wool	20% Other	White, Gray Fibrous Homogeneous
51819353PLM_20					Teased, Crushed
7-5-3	2'x4' Pinhole ceiling tile	None Detected	80% Mineral Wool	20% Other	White, Gray Fibrous Homogeneous
51819353PLM_21					Teased, Crushed
7-6-1 - A	6" Pipe insulation	5% Chrysotile	20% Fiber Glass	75% Other	Gray Fibrous Heterogeneous
51819353PLM_6	wrap				Dissolved, Teased
7-6-1 - B	6" Pipe insulation	30% Chrysotile	10% Cellulose	60% Other	Black Fibrous Homogeneous
51819353PLM_37	felt				Teased
7-6-1 - C	6" Pipe insulation	15% Amosite 5% Chrysotile		80% Other	White Fibrous Homogeneous
51819353PLM_38	insulation				Teased
7-6-2 - A	6" Pipe insulation	10% Chrysotile	20% Fiber Glass	70% Other	Gray Fibrous Heterogeneous
51819353PLM_22	wrap				Dissolved, Teased
7-6-2 - B	6" Pipe insulation	30% Chrysotile	10% Cellulose	60% Other	Black Fibrous Homogeneous
51819353PLM_39	felt				Teased
7-6-2 - C	6" Pipe insulation	15% Amosite 5% Chrysotile		80% Other	White Fibrous Homogeneous
51819353PLM_40	insulation				Teased

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Bethany Nichols (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:** Russell Harrings

**Lab Order ID:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-6-3 - A	6" Pipe insulation	5% Chrysotile	20% Fiber Glass	75% Other	Gray Fibrous Heterogeneous
51819353PLM_23	wrap				Dissolved, Teased
7-6-3 - B	6" Pipe insulation	30% Chrysotile	10% Cellulose	60% Other	Black Fibrous Heterogeneous
51819353PLM_41	felt				Dissolved, Teased
7-6-3 - C	6" Pipe insulation	15% Amosite 5% Chrysotile		80% Other	White Fibrous Homogeneous
51819353PLM_42	insulation				Teased
7-7-1	3" Pipe insulation	10% Chrysotile 10% Amosite		80% Other	White Fibrous Homogeneous
51819353PLM_7					Teased
7-7-2	3" Pipe insulation	10% Chrysotile 10% Amosite		80% Other	White Fibrous Homogeneous
51819353PLM_24					Teased
7-7-3	3" Pipe insulation	10% Chrysotile 10% Amosite		80% Other	White Fibrous Homogeneous
51819353PLM_25					Teased
7-8-1	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819353PLM_8					Ashed
7-8-2	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819353PLM_26					Ashed

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Bethany Nichols (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:** Russell Harrings

**Lab Order ID:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-8-3	White caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819353PLM_27					Ashed
7-9-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819353PLM_9					Ashed
7-9-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819353PLM_28					Ashed
7-9-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819353PLM_29					Ashed
7-10-1	2'x4' Pinhole and fissure ceiling	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819353PLM_10					Ashed, Teased
7-10-2	2'x4' Pinhole and fissure ceiling	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819353PLM_30					Ashed, Teased
7-10-3	2'x4' Pinhole and fissure ceiling	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
51819353PLM_31					Ashed, Teased
7-11-1	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819353PLM_11					Ashed

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Bethany Nichols (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:** Russell Harrings

**Lab Order ID:** 51819353  
**Analysis ID:** 51819353\_PLM  
**Date Received:** 7/30/2018  
**Date Reported:** 8/4/2018

**Project:** Crompton And Knowles - Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-11-2	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819353PLM_32					Ashed
7-11-3	Grey caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819353PLM_33					Ashed

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Bethany Nichols (42)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann  
License: 13054  
Date: 7/24/2018 - 7/26/2018

Job Name: Crompton and Knowles  
Job Number: 71187168  
Building: 7

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
7-12-1	Vermiculite CMU Insulation	Found Inside of CMU Block Cavities	EXT	good		friable	none detected
7-12-2	Vermiculite CMU Insulation	Found Inside of CMU Block Cavities	EXT				none detected
7-12-3	Vermiculite CMU Insulation	Found Inside of CMU Block Cavities	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:** 51820217  
**Analysis ID:** 51820217\_PLM  
**Date Received:** 8/7/2018  
**Date Reported:** 8/13/2018

**Project:** Crompton & Knowles - Building 7 - 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-12-1	Vermiculite CMU insulation	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820217PLM_1					Dissolved
7-12-2	Vermiculite CMU insulation	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820217PLM_2					Dissolved
7-12-3	Vermiculite CMU insulation	None Detected		100% Vermiculite	Brown, Gold Non Fibrous Homogeneous
51820217PLM_3					Dissolved

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Philip Szabo (3)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann  
License: 13054  
Date: 7/24/2018 - 7/26/2018

Job Name: Crompton and Knowles  
Job Number: 71187168  
Building: 7

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
7-12-4	Vermiculite CMU Insulation	Found Inside of CMU Block Cavities	EXT	good		friable	none detected





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

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<b>Client:</b> Terracon 2701 Westport Rd Charlotte, NC 28208	<b>Attn:</b> Russell Harrings	<b>Lab Order ID:</b> 51820947
<b>Project:</b> Crompton & Knowles Building 17		<b>Date Received:</b> 8/15/2018
		<b>Date Reported:</b> 8/21/2018
		<b>Page:</b> 1 of 1

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Sample ID	Description	Assessment for Asbestos Presence
Lab Sample ID	Lab Notes	
7-12-4	<i>PLM Analysis of "Floats &amp; Sinks"</i>	None Detected
51820947VAI_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  $1.0 \times 10^6$  fibers/gram, unless a lower detection limit is requested.

Ired Gulley  
Analyst

Lab Director

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

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 7

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
7-13-1	roof shingles (no felt paper)	lower east roof	R	damaged		non-friable	none detected
7-13-2	roof shingles (no felt paper)	lower east roof	R				none detected
7-13-3	roof shingles (no felt paper)	lower east roof	R				none detected
7-14-1	built-up roof membrane	west corner	R	good		non-friable	none detected
7-14-2	built-up roof membrane	northwest corner	R				none detected
7-14-3	built-up roof membrane	east corner	R				none detected
7-15-1	roof flashing	southwest HVAC stand	R	good		non-friable	none detected
7-15-2	roof flashing	middle vent	R				none detected
7-15-3	roof flashing	east corner wall	R				none detected
7-16-1	grey roof caulk	middle of roof	R	good		non-friable	none detected
7-16-2	grey roof caulk	east wall	R				none detected
7-16-3	grey roof caulk	north wall	R				none detected
7-17-1	built-up roof membrane	boiler room roof	R	significantly		non-friable	none detected
7-17-2	built-up roof membrane	boiler room roof	R	damaged			none detected
7-17-3	built-up roof membrane	boiler room 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:** 51821963  
**Analysis ID:** 51821963\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-13-1	Roof shingles (no felt paper)	None Detected	15% Fiber Glass	85% Other	Black Non Fibrous Heterogeneous
51821963PLM_1					Teased, Dissolved
7-13-2	Roof shingles (no felt paper)	None Detected	15% Fiber Glass	85% Other	Black Non Fibrous Heterogeneous
51821963PLM_2					Teased, Dissolved
7-13-3	Roof shingles (no felt paper)	None Detected	15% Fiber Glass	85% Other	Black Non Fibrous Heterogeneous
51821963PLM_3					Teased, Dissolved
7-14-1 - A	Build up roof membrane	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821963PLM_4	built up roofing				Dissolved, Teased
7-14-1 - B	Build up roof membrane	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
51821963PLM_16	insulation				Teased
7-14-2 - A	Build up roof membrane	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821963PLM_5	built up roofing				Dissolved, Teased
7-14-2 - B	Build up roof membrane	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
51821963PLM_17	insulation				Teased
7-14-3 - A	Build up roof membrane	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51821963PLM_6	built up roofing				Dissolved, Teased

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William Howell (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:** 51821963  
**Analysis ID:** 51821963\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles Building 7

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
7-17-2	built up roof membrane	None Detected	50% Fiber Glass	50% Other	Black Fibrous Homogeneous
51821963PLM_14					Teased, Dissolved
7-17-3	built up roof membrane	None Detected	50% Fiber Glass	50% Other	Black Fibrous Homogeneous
51821963PLM_15					Teased, Dissolved

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William Howell (18)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann / Russell Harrings  
 License: 13054 / 12222  
 Date: 8/15/2018 - 8/16/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 8

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
8-1-1	6" Pipe Insulation With Wrap	Along Wall Shared With Building 12	1	significantly damaged		friable	none detected
8-1-2	6" Pipe Insulation With Wrap	Along Wall Shared With Building 12	1				none detected
8-1-3	6" Pipe Insulation With Wrap	Along Wall Shared With Building 12	1				none detected
8-2-1	3" Pipe Insulation With Wrap	Along Western Wall	1	significantly damaged		friable	none detected
8-2-2	3" Pipe Insulation With Wrap	Along Western Wall	1				none detected
8-2-3	3" Pipe Insulation With Wrap	Along Western Wall	1				none detected
8-3-1	Grey Window Frame Caulk	Window Frame on 2nd Floor	1	significantly damaged		non-friable	none detected
8-3-2	Grey Window Frame Caulk	Window Frame on 2nd Floor	1				none detected
8-3-3	Grey Window Frame Caulk	Window Frame on 2nd Floor	1				none detected
8-4-1	CMU Coating	Wall Beneath Platform	1	damaged	7,100 ft <sup>2</sup>	non-friable	2% Chrysotile
8-4-2	CMU Coating	Back Wall Beneath Heating Unit	1				2% Chrysotile
8-4-3	CMU Coating	Back Wall Behind Metal Framing	1				2% Chrysotile
8-4-4	CMU Coating	Front Wall by Exit Door	1				2% Chrysotile
8-4-5	CMU Coating	Front Wall on Left of Room	1				2% Chrysotile
8-4-6	CMU Coating	Right Wall by the Thermostat	1				2% Chrysotile
8-4-7	CMU Coating	Wall Shared With Building 12	1				2% Chrysotile
8-5-1	Clear Caulk on Wall	Back Exterior Wall	EXT	damaged		non-friable	none detected
8-5-2	Clear Caulk on Wall	Back Exterior Wall	EXT				none detected
8-5-3	Clear Caulk on Wall	Back Exterior Wall	EXT				none detected
8-6-1	CMU Coating	Back Wall	EXT	damaged		non-friable	none detected
8-6-2	CMU Coating	Back Wall	EXT				none detected
8-6-3	CMU Coating	South Wall	EXT				none detected
8-6-4	CMU Coating	South Wall	EXT				none detected
8-6-5	CMU Coating	South Wall	EXT				none detected
8-6-6	CMU Coating	East Wall	EXT				none detected
8-6-7	CMU Coating	East Wall	EXT				none detected
8-7-1	Green Caulk on Wall	Back Exterior Wall Near Shingles	EXT	significantly damaged		non-friable	none detected
8-7-2	Green Caulk on Wall	Back Exterior Wall Near Shingles	EXT				none detected
8-7-3	Green Caulk on Wall	Back Exterior Wall Near Shingles	EXT				none detected
8-8-1	Shingle (No Felt Paper)	Back Exterior Wall	EXT	significantly damaged		friable	none detected
8-8-2	Shingle (No Felt Paper)	Back Exterior Wall	EXT				none detected
8-8-3	Shingle (No Felt Paper)	Back Exterior Wall	EXT				none detected

Inspector: Gareth Hoffmann / Russell Harrings  
 License: 13054 / 12222  
 Date: 8/15/2018 - 8/16/2018

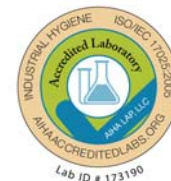
Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 8

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
8-9-1	Grey Window Caulk	South Side Wall	EXT	significantly damaged		non-friable	none detected
8-9-2	Grey Window Caulk	East Side Wall	EXT				none detected
8-9-3	Grey Window Caulk	East Side Wall	EXT				none detected
8-10-1	Built-up Roof Membrane	South Side Wall	R	good		non-friable	none detected
8-10-2	Built-up Roof Membrane	West Side Wall	R				none detected
8-10-3	Built-up Roof Membrane	North Side Wall	R				none detected
8-11-1	Roof Flashing	South Side Wall	R	good	250 ft	non-friable	3% Chrysotile
8-11-2	Roof Flashing	West Side Wall	R				5% Chrysotile
8-11-3	Roof Flashing	Roof Vent	R				5% Chrysotile
8-12-1	Silver Coating	Roof Vent	R	good	250 ft <sup>2</sup>	non-friable	10% Chrysotile
8-12-2	Silver Coating	Northeast Corner	R				10% Chrysotile
8-12-3	Silver Coating	Northeast Corner	R				10% Chrysotile



# 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:** 51821674  
**Analysis ID:** 51821674\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 8

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-1-1 - A	6" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	White Fibrous Heterogeneous
51821674PLM_1	wrap				Teased
8-1-1 - B	6" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_45	insulation				Crushed
8-1-2 - A	6" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	White Fibrous Heterogeneous
51821674PLM_2	wrap				Teased
8-1-2 - B	6" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_46	insulation				Crushed
8-1-3 - A	6" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	White Fibrous Heterogeneous
51821674PLM_3	wrap				Teased
8-1-3 - B	6" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_47	insulation				Crushed
8-2-1 - A	3" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	Brown Fibrous Heterogeneous
51821674PLM_4	wrap				Teased
8-2-1 - B	3" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_48	insulation				Crushed

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Bart Huber (53)

Analyst

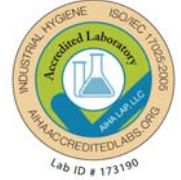
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# Bulk Asbestos Analysis

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



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**Date Received:** 8/23/2018  
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**Project:** Compton and Knowles Building 8

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-2-2 - A	3" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	Brown Fibrous Heterogeneous
51821674PLM_5	wrap				Teased
8-2-2 - B	3" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_49	insulation				Crushed
8-2-3 - A	3" pipe insulation with wrap	None Detected	80% Cellulose	20% Other	Brown Fibrous Heterogeneous
51821674PLM_6	wrap				Teased
8-2-3 - B	3" pipe insulation with wrap	None Detected	5% Cellulose	95% Other	Tan Non Fibrous Heterogeneous
51821674PLM_50	insulation				Crushed
8-3-1	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_7					Dissolved
8-3-2	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_8					Dissolved
8-3-3	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_9					Dissolved
8-4-1	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_10					Crushed, Dissolved

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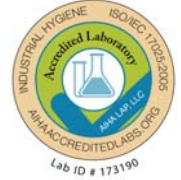
Analyst

Approved Signatory



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-4-2	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_11					Crushed, Dissolved
8-4-3	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_12					Crushed, Dissolved
8-4-4	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_13					Crushed, Dissolved
8-4-5	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_14					Crushed, Dissolved
8-4-6	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_15					Crushed, Dissolved
8-4-7	CMU coating	2% Chrysotile		98% Other	Tan Non Fibrous Heterogeneous
51821674PLM_16					Crushed, Dissolved
8-5-1	Clear caulk on wall	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821674PLM_17					Dissolved
8-5-2	Clear caulk on wall	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821674PLM_18					Dissolved

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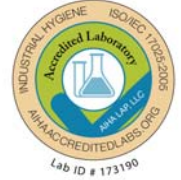
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-5-3	Clear caulk on wall	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821674PLM_19					Dissolved
8-6-1	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_20					Crushed, Dissolved
8-6-2	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_21					Crushed, Dissolved
8-6-3	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_22					Crushed, Dissolved
8-6-4	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_23					Crushed, Dissolved
8-6-5	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_24					Crushed, Dissolved
8-6-6	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_25					Crushed, Dissolved
8-6-7	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_26					Crushed, Dissolved

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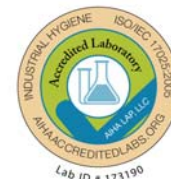
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# Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-7-1	Green caulk on wall	None Detected		100% Other	Gray, Transparent Non Fibrous Heterogeneous
51821674PLM_27					Dissolved
8-7-2	Green caulk on wall	None Detected		100% Other	Gray, Transparent Non Fibrous Heterogeneous
51821674PLM_28					Dissolved
8-7-3	Green caulk on wall	None Detected		100% Other	Gray, Transparent Non Fibrous Heterogeneous
51821674PLM_29					Dissolved
8-8-1	Shingle (no felt paper)	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_30					Dissolved
8-8-2	Shingle (no felt paper)	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_31					Dissolved
8-8-3	Shingle (no felt paper)	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_32					Dissolved
8-9-1	Grey window caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_33					Dissolved
8-9-2	Grey window caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_34					Dissolved

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Bart Huber (53)

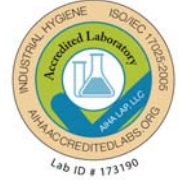
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# Bulk Asbestos Analysis

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**Project:** Compton and Knowles Building 8

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-9-3	Grey window caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821674PLM_35					Dissolved
8-10-1 - A	Built-up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_36	built up roofing				Dissolved
8-10-1 - B	Built-up roof membrane	None Detected	70% Cellulose 10% Fiber Glass	20% Other	Brown Fibrous Heterogeneous
51821674PLM_51	insulation				Teased
8-10-2 - A	Built-up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_37	built up roofing				Dissolved
8-10-2 - B	Built-up roof membrane	None Detected	70% Cellulose 10% Fiber Glass	20% Other	Brown Fibrous Heterogeneous
51821674PLM_52	insulation				Teased
8-10-3 - A	Built-up roof membrane	None Detected	20% Fiber Glass	80% Other	Black Non Fibrous Heterogeneous
51821674PLM_38	built up roofing				Dissolved
8-10-3 - B	Built-up roof membrane	None Detected	70% Cellulose 10% Fiber Glass	20% Other	Brown Fibrous Heterogeneous
51821674PLM_53	insulation				Teased
8-11-1	Roof flashing	3% Chrysotile	15% Fiber Glass 10% Synthetic Fibers	72% Other	Black, Gray Non Fibrous Heterogeneous
51821674PLM_39					Dissolved

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**Date Received:** 8/23/2018  
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**Project:** Compton and Knowles Building 8

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
8-11-2	Roof flashing	5% Chrysotile	20% Fiber Glass	75% Other	Gray, Black Non Fibrous Heterogeneous
51821674PLM_40					Dissolved
8-11-3	Roof flashing	5% Chrysotile	20% Fiber Glass	75% Other	Black, Gray Non Fibrous Heterogeneous
51821674PLM_41					Dissolved
8-12-1	Silver coating	10% Chrysotile		90% Other	Silver Non Fibrous Heterogeneous
51821674PLM_42					Dissolved
8-12-2	Silver coating	10% Chrysotile		90% Other	Silver Non Fibrous Heterogeneous
51821674PLM_43					Dissolved
8-12-3	Silver coating	10% Chrysotile		90% Other	Silver Non Fibrous Heterogeneous
51821674PLM_44					Dissolved

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Bart Huber (53)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann / Russell Harrings  
 License: 13054 / 12222  
 Date: 7/27/2018 - 8/16/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 9

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
9-1-1	2'x4' White Fissure Ceiling Tile	Upstairs Office on 2nd Floor	2	significantly damaged		friable	none detected
9-1-2	2'x4' White Fissure Ceiling Tile	Upstairs Office on 2nd Floor	2				none detected
9-1-3	2'x4' White Fissure Ceiling Tile	Upstairs Office on 2nd Floor	2				none detected
9-2-1	Black Mastic on Wall	Ice House	1	significantly damaged		non-friable	none detected
9-2-2	Black Mastic on Wall	Ice House	1				none detected
9-2-3	Black Mastic on Wall	Ice House	1				none detected
9-3-1	White Paper Wrap and Associated Adhesive	Ice House	1	significantly damaged		friable	none detected
9-3-2	White Paper Wrap and Associated Adhesive	Ice House	1				none detected
9-3-3	White Paper Wrap and Associated Adhesive	Ice House	1				none detected
9-4-1	CMU Coating	Next to T-11	1	significantly damaged	2,000 ft <sup>2</sup>	non-friable	<1% Chrysotile
9-4-2	CMU Coating	Under Stairs	1				none detected
9-4-3	CMU Coating	Near Bottom of Stairs	1				none detected
9-4-4	CMU Coating	Near Tank 9	1				none detected
9-4-5	CMU Coating	Near Tank 7	1				none detected
9-4-6	CMU Coating	Near Tank 19	1				<1% Chrysotile
9-4-7	CMU Coating	Corner Next to Tank 19	1				2% Chrysotile
9-5-1	Window Glazing	Mechanical Room Window	1	significantly damaged	18 ft	friable	none detected
9-5-2	Window Glazing	Mechanical Room Window	1				none detected
9-5-3	Window Glazing	Mechanical Room Window	1				3% Chrysotile
9-6-1	Fibrous Pipe Wrap	Top of Steps on 2nd Floor	2	significantly damaged		non-friable	none detected
9-6-2	Fibrous Pipe Wrap	East Side of Floor	2				none detected
9-6-3	Fibrous Pipe Wrap	South Side of Floor	2				none detected
9-7-1	12"x12" Black Floor Tile	Upstairs Office on 2nd Floor	2	significantly damaged		non-friable	none detected
9-7-2	12"x12" Black Floor Tile	Upstairs Office on 2nd Floor	2				none detected
9-7-3	12"x12" Black Floor Tile	Upstairs Office on 2nd Floor	2				none detected
9-8-1	White Mastic	Ceiling Next to Tank 11	1	significantly damaged		non-friable	none detected
9-8-2	White Mastic	Ceiling Next to Tank 11	1				none detected



Inspector: Gareth Hoffmann / Russell Harrings  
 License: 13054 / 12222  
 Date: 7/27/2018 - 8/16/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 9

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
9-8-3	White Mastic	Ceiling Next to Tank 11	1				none detected
9-9-1	Grey Mastic	Ceiling Next to Tank 7	1	significantly damaged		non-friable	none detected
9-9-2	Grey Mastic	Ceiling Next to Tank 17	1				none detected
9-9-3	Grey Mastic	Ceiling Next to Tank 16	1				none detected
9-10-1	Clear Caulk	Around Device on Column Near Tank 7	1	significantly damaged		non-friable	none detected
9-10-2	Clear Caulk	Around Device on Column Near Tank 7	1				none detected
9-10-3	Clear Caulk	Around Device on Column Near Tank 7	1				none detected
9-11-1	White Gasket	Valve Gasket on Tank 16	1	significantly damaged		non-friable	none detected
9-11-2	White Gasket	Valve Gasket on Tank 16	1				none detected
9-11-3	White Gasket	Valve Gasket on Tank 16	1				none detected
9-12-1	Black Gasket	Valve Gasket on Tank 14	1	significantly damaged		non-friable	none detected
9-12-2	Black Gasket	Valve Gasket on Tank 14	1				none detected
9-12-3	Black Gasket	Valve Gasket on Tank 14	1				none detected
9-13-1	CMU Coating	East Wall by Door	EXT	significantly damaged		non-friable	none detected
9-13-2	CMU Coating	East Wall by Bay Door	EXT				none detected
9-13-3	CMU Coating	East Wall Under Window	EXT				none detected
9-13-4	CMU Coating	North Wall by Bay Door	EXT				none detected
9-13-5	CMU Coating	North Wall by Mechanical Room	EXT				none detected
9-13-6	CMU Coating	West Wall by Garage Door	EXT				none detected
9-13-7	CMU Coating	West Wall by Fuse Boxes	EXT				none detected
9-14-1	6" Pipe Insulation With Metal Jacket	Exterior of Mechanical Room	EXT	significantly damaged	10ft	friable	25% Amosite
9-14-2	6" Pipe Insulation With Metal Jacket	Exterior of Mechanical Room	EXT				25% Amosite
9-14-3	6" Pipe Insulation With Metal Jacket	Exterior of Mechanical Room	EXT				25% Amosite
9-15-1	Clear Door Caulk	West Wall Near Garage Door	EXT	significantly damaged		non-friable	none detected
9-15-2	Clear Door Caulk	East Wall by Door	EXT				none detected
9-15-3	Clear Door Caulk	North Wall by Door	EXT				none detected
9-16-1	Clear Window Caulk	Window of Mechanical Room	EXT	significantly damaged		non-friable	none detected
9-16-2	Clear Window Caulk	Window of Mechanical Room	EXT				none detected

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Job Name: Crompton and Knowles  
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 Building: 9

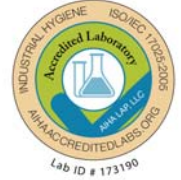
Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
9-16-3	Clear Window Caulk	Window of Mechanical Room	EXT				none detected
9-17-1	Cloth Pipe Wrap	Pipe on South Wall of 2nd Floor	2	significantly damaged		non-friable	none detected
9-17-2	Cloth Pipe Wrap	Pipe on South Wall of 2nd Floor	2				none detected
9-17-3	Cloth Pipe Wrap	Pipe on South Wall of 2nd Floor	2				none detected
9-18-1	Grey Window Frame Caulk	Window in Office on 2nd Floor	1	significantly damaged		non-friable	none detected
9-18-2	Grey Window Frame Caulk	Window in Office on 2nd Floor	1				none detected
9-18-3	Grey Window Frame Caulk	Window in Office on 2nd Floor	1				none detected
9-19-1	White Window Frame Caulk	Window of Mechanical Room	EXT	significantly damaged		non-friable	none detected
9-19-2	White Window Frame Caulk	Window of Mechanical Room	EXT				none detected
9-19-3	White Window Frame Caulk	Window of Mechanical Room	EXT				none detected
9-20-1	Built-up Membrane	East Corner	R	good		non-friable	none detected
9-20-2	Built-up Membrane	Middle	R				none detected
9-20-3	Built-up Membrane	West Corner	R				none detected
9-21-1	Roof Flashing	East Corner	R	good	400 ft	non-friable	5% Chrysotile
9-21-2	Roof Flashing	Southwest Wall	R				5% Chrysotile
9-21-3	Roof Flashing	Northwest Wall	R				5% Chrysotile
9-22-1	Black Roof Tar	Northeast Corner	R	good	400 ft <sup>2</sup>	non-friable	10% Chrysotile
9-22-2	Black Roof Tar	Middle	R				2% Chrysotile
9-22-3	Black Roof Tar	West Corner	R				none detected
9-23-1	Grey Pipe Coating	Southeast Corner	R	good		non-friable	none detected
9-23-2	Grey Pipe Coating	Middle	R				none detected
9-23-3	Grey Pipe Coating	West Corner	R				none detected
9-24-1	Grey Pipe Caulk	Northeast Corner	R	good		non-friable	none detected
9-24-2	Grey Pipe Caulk	Middle	R				<1% Chrysotile *
9-24-3	Grey Pipe Caulk	Southwest Corner	R				none detected

\* surface contamination



# 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:** 51821669  
**Analysis ID:** 51821669\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 9

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
9-1-1	2'4' white fissure ceiling tile	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51821669PLM_1					Teased
9-1-2	2'4' white fissure ceiling tile	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51821669PLM_2					Teased
9-1-3	2'4' white fissure ceiling tile	None Detected	50% Cellulose 30% Mineral Wool	20% Other	Tan Fibrous Homogeneous
51821669PLM_3					Teased
9-2-1	Black mastic on wall	None Detected		100% Other	Black, Yellow Non Fibrous Heterogeneous
51821669PLM_4					Dissolved
9-2-2	Black mastic on wall	None Detected		100% Other	Black, Yellow Non Fibrous Heterogeneous
51821669PLM_5					Dissolved
9-2-3	Black mastic on wall	None Detected		100% Other	Black, Yellow Non Fibrous Heterogeneous
51821669PLM_6					Dissolved
9-3-1 - A	White paper wrap and associated adhesive	None Detected	15% Fiber Glass	85% Other	White Fibrous Homogeneous
51821669PLM_7	wrap				Teased, Dissolved
9-3-1 - B	White paper wrap and associated adhesive	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
51821669PLM_81	adhesive				Dissolved

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Charmel Dozier (86)

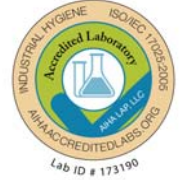
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Lab Sample ID	Lab Notes				Treatment
9-3-2 - A	White paper wrap and associated adhesive	None Detected	15% Fiber Glass	85% Other	White Fibrous Homogeneous
51821669PLM_8	wrap				Teased, Dissolved
9-3-2 - B	White paper wrap and associated adhesive	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821669PLM_82	adhesive				Dissolved
9-3-3 - A	White paper wrap and associated adhesive	None Detected	15% Fiber Glass	85% Other	White Fibrous Homogeneous
51821669PLM_9	wrap				Teased, Dissolved
9-3-3 - B	White paper wrap and associated adhesive	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821669PLM_83	adhesive				Dissolved
9-4-1	CMU coating	< 1% Chrysotile		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_10					Crushed
9-4-2	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_11					Crushed
9-4-3	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_12					Crushed
9-4-4	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_13					Crushed

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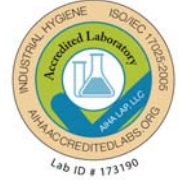
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Lab Sample ID	Lab Notes				Treatment
9-4-5	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_14					Crushed
9-4-6	CMU coating	< 1% Chrysotile		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_15					Crushed
9-4-7	CMU coating	2% Chrysotile		98% Other	Gray Non Fibrous Heterogeneous
51821669PLM_16					Crushed
9-5-1	Window glazing	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_17					Crushed
9-5-2	Window glazing	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_18					Crushed
9-5-3	Window glazing	3% Chrysotile		97% Other	Gray Non Fibrous Homogeneous
51821669PLM_19					Crushed
9-6-1	Fibrous pipe wrap	None Detected	80% Fiber Glass	20% Other	White Fibrous Homogeneous
51821669PLM_20					Teased
9-6-2	Fibrous pipe wrap	None Detected	80% Fiber Glass	20% Other	White Fibrous Homogeneous
51821669PLM_21					Teased

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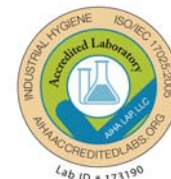
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Lab Sample ID	Lab Notes				Treatment
9-6-3	Fibrous pipe wrap	None Detected	80% Fiber Glass	20% Other	White Fibrous Homogeneous
51821669PLM_22					Teased
9-7-1	12"x12" black floor tile	None Detected		100% Other	Black Non Fibrous Homogeneous
51821669PLM_23	tile only				Dissolved
9-7-2	12"x12" black floor tile	None Detected		100% Other	Black Non Fibrous Homogeneous
51821669PLM_24	tile only				Dissolved
9-7-3	12"x12" black floor tile	None Detected		100% Other	Black Non Fibrous Homogeneous
51821669PLM_25	tile only				Dissolved
9-8-1	White mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51821669PLM_26					Crushed
9-8-2	White mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51821669PLM_27					Crushed
9-8-3	White mastic	None Detected		100% Other	White Non Fibrous Homogeneous
51821669PLM_28					Crushed
9-9-1	Grey mastic	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_29					Crushed, Dissolved

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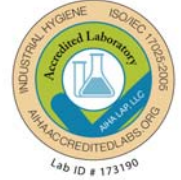
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Lab Sample ID	Lab Notes				Treatment
9-9-2	Grey mastic	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_30					Crushed, Dissolved
9-9-3	Grey mastic	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_31					Crushed, Dissolved
9-10-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_32					Dissolved
9-10-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_33					Dissolved
9-10-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_34					Dissolved
9-11-1	White gasket	None Detected	35% Cellulose	65% Other	Tan Fibrous Homogeneous
51821669PLM_35					Teased
9-11-2	White gasket	None Detected	35% Cellulose	65% Other	Tan Fibrous Homogeneous
51821669PLM_36					Teased
9-11-3	White gasket	None Detected	35% Cellulose	65% Other	Tan Fibrous Homogeneous
51821669PLM_37					Teased

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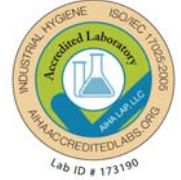
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
9-12-1	Black gasket	None Detected	50% Cellulose	50% Other	Black Fibrous Homogeneous
51821669PLM_38					Teased
9-12-2	Black gasket	None Detected	50% Cellulose	50% Other	Black Fibrous Homogeneous
51821669PLM_39					Teased
9-12-3	Black gasket	None Detected	50% Cellulose	50% Other	Black Fibrous Homogeneous
51821669PLM_40					Teased
9-13-1	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_41					Crushed
9-13-2	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_42					Crushed
9-13-3	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_43					Crushed
9-13-4	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_44					Crushed
9-13-5	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_45					Crushed

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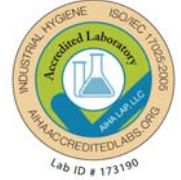
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Lab Sample ID	Lab Notes				Treatment
9-13-6	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_46					Crushed
9-13-7	CMU coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_47					Crushed
9-14-1	6"pipe insulation with metal jacket	25% Amosite		75% Other	White Fibrous Homogeneous
51821669PLM_48					Teased
9-14-2	6"pipe insulation with metal jacket	25% Amosite		75% Other	White Fibrous Homogeneous
51821669PLM_49					Teased
9-14-3	6"pipe insulation with metal jacket	25% Amosite		75% Other	White Fibrous Homogeneous
51821669PLM_50					Teased
9-15-1	Clear door caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_51					Dissolved
9-15-2	Clear door caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_52					Dissolved
9-15-3	Clear door caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_53					Dissolved

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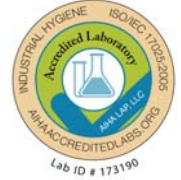
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Lab Sample ID	Lab Notes				Treatment
9-16-1	Clear window caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_54					Dissolved
9-16-2	Clear window caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_55					Dissolved
9-16-3	Clear window caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51821669PLM_56					Dissolved
9-17-1	Cloth pipe wrap	None Detected	85% Fiber Glass	15% Other	White Fibrous Homogeneous
51821669PLM_57					Teased
9-17-2	Cloth pipe wrap	None Detected	85% Fiber Glass	15% Other	White Fibrous Homogeneous
51821669PLM_58					Teased
9-17-3	Cloth pipe wrap	None Detected	85% Fiber Glass	15% Other	White Fibrous Homogeneous
51821669PLM_59					Teased
9-18-1	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_60					Dissolved
9-18-2	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_61					Dissolved

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Lab Sample ID	Lab Notes				Treatment
9-18-3	Grey window frame caulk	None Detected		100% Other	Gray Non Fibrous Homogeneous
51821669PLM_62					Dissolved
9-19-1	White window frame caulk	None Detected	1% Other	99% Other	Gray Non Fibrous Homogeneous
51821669PLM_63					Crushed, Dissolved
9-19-2	White window frame caulk	None Detected	1% Other	99% Other	Gray Non Fibrous Homogeneous
51821669PLM_64					Crushed, Dissolved
9-19-3	White window frame caulk	None Detected	1% Other	99% Other	Gray Non Fibrous Homogeneous
51821669PLM_65					Crushed, Dissolved
9-20-1 - A	Built-up membrane	None Detected	25% Fiber Glass	75% Other	Black Fibrous Homogeneous
51821669PLM_66	built up membrane				Dissolved
9-20-1 - B	Built-up membrane	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
51821669PLM_84	insulation				Teased
9-20-2 - A	Built-up membrane	None Detected	25% Fiber Glass	75% Other	Black Fibrous Homogeneous
51821669PLM_67	built up membrane				Dissolved
9-20-2 - B	Built-up membrane	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
51821669PLM_85	insulation				Teased

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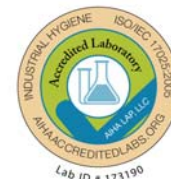
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Lab Sample ID	Lab Notes				Treatment
9-20-3 - A	Built-up membrane	None Detected	25% Fiber Glass	75% Other	Black Fibrous Homogeneous
51821669PLM_68	built up membrane				Dissolved
9-20-3 - B	Built-up membrane	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
51821669PLM_86	insulation				Teased
9-21-1	Roof flashing	5% Chrysotile	10% Cellulose 10% Fiber Glass 10% Synthetic Fibers	65% Other	Black Fibrous Homogeneous
51821669PLM_69					Dissolved
9-21-2	Roof flashing	5% Chrysotile	10% Cellulose 10% Fiber Glass 10% Synthetic Fibers	65% Other	Black Fibrous Homogeneous
51821669PLM_70					Dissolved
9-21-3	Roof flashing	5% Chrysotile	10% Cellulose 10% Fiber Glass 10% Synthetic Fibers	65% Other	Black Fibrous Homogeneous
51821669PLM_71					Dissolved
9-22-1	Black roof tar	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
51821669PLM_72					Dissolved
9-22-2	Black roof tar	2% Chrysotile	5% Cellulose	93% Other	Black Non Fibrous Heterogeneous
51821669PLM_73					Dissolved
9-22-3	Black roof tar	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821669PLM_74					Dissolved

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Charmel Dozier (86)

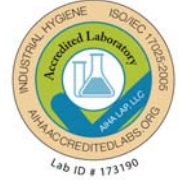
Analyst

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:** 51821669  
**Analysis ID:** 51821669\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 9

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
9-23-1	Grey pipe coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_75					Ashed
9-23-2	Grey pipe coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_76					Ashed
9-23-3	Grey pipe coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_77					Ashed
9-24-1	Grey pipe caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_78					Dissolved
9-24-2	Grey pipe caulk	< 1% Chrysotile		100% Other	Gray, Black Non Fibrous Heterogeneous
51821669PLM_79	surface contamination				Dissolved
9-24-3	Grey pipe caulk	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821669PLM_80					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%.

Charmel Dozier (86)

Analyst

Approved Signatory

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

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 10

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
10-1-1	3" Pipe insulation	Near Large Opening to Building on Wall	1	damaged	200 ft	friable	none detected
10-1-2	3" Pipe insulation	Near Large Opening to Building on Wall	1				none detected
10-1-3	3" Pipe insulation	Near Large Opening to Building on Wall	1				none detected
10-2-1	Roof Shingle and Felt Paper	Near Tanks Behind Building	EXT	damaged		non-friable	none detected
10-2-2	Roof Shingle and Felt Paper	Near Tanks Behind Building	EXT				none detected
10-2-3	Roof Shingle and Felt Paper	Near Tanks Behind Building	EXT				none detected
10-3-1	Grey Caulking	Bottom of Tanks Behind Building	EXT	damaged	75 ft	non-friable	5% Chrysotile
10-3-2	Grey Caulking	Bottom of Tanks Behind Building	EXT				5% Chrysotile
10-3-3	Grey Caulking	Bottom of Tanks Behind Building	EXT				5% Chrysotile
10-4-1	Tank Insulation Wrap	Tank Closest to Building 13	EXT	damaged	1,275 ft <sup>2</sup>	non-friable	5% Chrysotile
10-4-2	Tank Insulation Wrap	Tank Closest to Building 13	EXT				5% Chrysotile
10-4-3	Tank Insulation Wrap	Tank Farthest From Building 13	EXT				5% Chrysotile
10-5-1	Clear Caulk	Around Window Pane in Room With Tank Heater	1	damaged		non-friable	none detected
10-5-2	Clear Caulk	Around Window Pane in Room With Tank Heater	1				none detected
10-5-3	Clear Caulk	Around Window Pane in Room With Tank Heater	1				none detected
10-6-1	Window Glazing	Around Window Pane in Room With Tank Heater	1	damaged		non-friable	none detected
10-6-2	Window Glazing	Around Window Pane in Room With Tank Heater	1				none detected
10-6-3	Window Glazing	Around Window Pane in Room With Tank Heater	1				none detected
10-7-1	Black Wall Mastic	Bottom Half of Exterior Wall Around Tanks Behind Building	EXT	damaged		non-friable	none detected
10-7-2	Black Wall Mastic	Bottom Half of Exterior Wall Around Tanks Behind Building	EXT				none detected
10-7-3	Black Wall Mastic	Bottom Half of Exterior Wall Around Tanks Behind Building	EXT				none detected
10-8-1	CMU Coating	Small Room with Heater Tank	1	damaged		non-friable	none detected
10-8-2	CMU Coating	Area of Building with High Ceiling on Side Wall	1				none detected
10-8-3	CMU Coating	Area of Building with High Ceiling on Back Wall	1				none detected

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

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 10

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
10-8-4	CMU Coating	Area of Building with High Ceiling on Front Wall	1				none detected
10-8-5	CMU Coating	Small Room with Heater Tank	1				none detected
10-9-1	CMU Coating	Exterior Wall on Front of Building Under Stairs	EXT	damaged		non-friable	none detected
10-9-2	CMU Coating	Exterior Wall on Front of Side Room with Heater Tank	EXT				none detected
10-9-3	CMU Coating	Exterior Wall on Side of Building Facing 13	EXT				none detected
10-9-4	CMU Coating	Back Wall of Building	EXT				none detected
10-9-5	CMU Coating	Back Wall Around Tanks	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:** 51819977  
**Analysis ID:** 51819977\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - building 10 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-1-1	3" Pipe insulation	None Detected		80% Other 20% Perlite	Tan Non Fibrous Homogeneous
51819977PLM_1					Dissolved
10-1-2	3" Pipe insulation	None Detected		80% Other 20% Perlite	Tan Non Fibrous Homogeneous
51819977PLM_2					Dissolved
10-1-3	3" Pipe insulation	None Detected		80% Other 20% Perlite	Tan Non Fibrous Homogeneous
51819977PLM_3					Dissolved
10-2-1 - A	Roof shingle and felt paper	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_4	shingle				Dissolved
10-2-1 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819977PLM_32	felt paper				Dissolved
10-2-2 - A	Roof shingle and felt paper	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_5	shingle				Dissolved
10-2-2 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819977PLM_33	felt paper				Dissolved
10-2-3 - A	Roof shingle and felt paper	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_6	shingle				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 (34)

Analyst

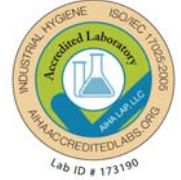
Approved Signatory





# 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:** 51819977  
**Analysis ID:** 51819977\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - building 10 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-2-3 - B	Roof shingle and felt paper	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
51819977PLM_34	felt paper				Dissolved
10-3-1	Grey caulking	5% Chrysotile	5% Wollastonite	90% Other	White Non Fibrous Homogeneous
51819977PLM_7					Ashed, Dissolved
10-3-2	Grey caulking	5% Chrysotile	5% Wollastonite	90% Other	White Non Fibrous Homogeneous
51819977PLM_8					Ashed, Dissolved
10-3-3	Grey caulking	5% Chrysotile	5% Wollastonite	90% Other	White Non Fibrous Homogeneous
51819977PLM_9					Ashed, Dissolved
10-4-1	Tank insulation wrap	5% Chrysotile		95% Other	White Non Fibrous Homogeneous
51819977PLM_10					Ashed, Dissolved
10-4-2	Tank insulation wrap	5% Chrysotile		95% Other	White Non Fibrous Homogeneous
51819977PLM_11					Ashed, Dissolved
10-4-3	Tank insulation wrap	5% Chrysotile		95% Other	White Non Fibrous Homogeneous
51819977PLM_12					Ashed, Dissolved
10-5-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819977PLM_13					Ashed, Dissolved

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Philip Szabo (34)

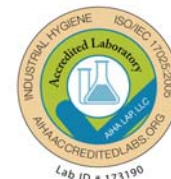
Analyst

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# 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:** 51819977  
**Analysis ID:** 51819977\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - building 10 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-5-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819977PLM_14					Ashed, Dissolved
10-5-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819977PLM_15					Ashed, Dissolved
10-6-1	Window glazing	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_16					Ashed, Dissolved
10-6-2	Window glazing	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_17					Ashed, Dissolved
10-6-3	Window glazing	None Detected		100% Other	Gray Non Fibrous Homogeneous
51819977PLM_18					Ashed, Dissolved
10-7-1	Black wall mastic	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_19					Dissolved
10-7-2	Black wall mastic	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_20					Dissolved
10-7-3	Black wall mastic	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Black Non Fibrous Homogeneous
51819977PLM_21					Dissolved

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Philip Szabo (34)

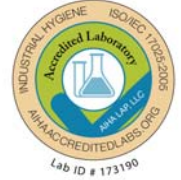
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Approved Signatory



# 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:** 51819977  
**Analysis ID:** 51819977\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - building 10 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-8-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_22					Dissolved
10-8-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_23					Dissolved
10-8-3	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_24					Dissolved
10-8-4	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_25					Dissolved
10-8-5	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_26					Dissolved
10-9-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_27					Dissolved
10-9-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_28					Dissolved
10-9-3	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_29					Dissolved

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Philip Szabo (34)

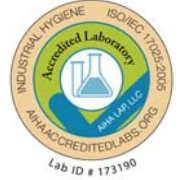
Analyst

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:** 51819977  
**Analysis ID:** 51819977\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - building 10 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-9-4	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_30					Dissolved
10-9-5	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819977PLM_31					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 (34)

Analyst

Approved Signatory

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

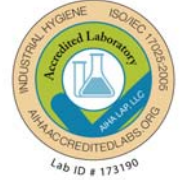
Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Building: 10

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
10-10-1	white roof caulk	lower roof	LR	good		non-friable	none detected
10-10-2	white roof caulk	lower roof	LR				none detected
10-10-3	white roof caulk	lower roof	LR				none detected
10-11-1	built-up roof membrane	upper roof	UR	good		non-friable	none detected
10-11-2	built-up roof membrane	upper roof	UR				none detected
10-11-3	built-up roof membrane	upper roof	UR				none detected
10-12-1	roof flashing	upper roof	UR	good		non-friable	none detected
10-12-2	roof flashing	upper roof	UR				none detected
10-12-3	roof flashing	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:** 51821965  
**Analysis ID:** 51821965\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 9/5/2018

**Project:** Crompton & Knowles Building 10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-10-1	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821965PLM_1					Ashed, Dissolved
10-10-2	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821965PLM_2					Ashed, Dissolved
10-10-3	White roof caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51821965PLM_3					Ashed, Dissolved
10-11-1 - A	Built up roof membrane	None Detected	10% Cellulose	90% Other	Black Non Fibrous Homogeneous
51821965PLM_4	built up roofing				Dissolved
10-11-1 - B	Built up roof membrane	None Detected	80% Cellulose	10% Perlite 10% Other	Tan Fibrous Homogeneous
51821965PLM_10	insulation				Ashed, Dissolved
10-11-2 - A	Built up roof membrane	None Detected	10% Cellulose	90% Other	Black Non Fibrous Homogeneous
51821965PLM_5	built up roofing				Dissolved
10-11-2 - B	Built up roof membrane	None Detected	80% Cellulose	10% Perlite 10% Other	Tan Fibrous Homogeneous
51821965PLM_11	insulation				Ashed, Dissolved
10-11-3 - A	Built up roof membrane	None Detected	10% Cellulose	90% Other	Black Non Fibrous Homogeneous
51821965PLM_6	built up roofing				Dissolved

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Philip Szabo (12)

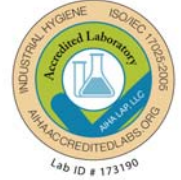
Analyst

Approved Signatory



# Bulk Asbestos Analysis

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



**Customer:** Terracon  
2701 Westport Rd  
Charlotte, NC 28208

**Attn:** Russell Harrings

**Lab Order ID:** 51821965  
**Analysis ID:** 51821965\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 9/5/2018

**Project:** Crompton & Knowles Building 10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
10-11-3 - B	Built up roof membrane	None Detected	80% Cellulose	10% Perlite 10% Other	Tan Fibrous Homogeneous
51821965PLM_12					Ashed, Dissolved
10-12-1	Roof flashing	None Detected	15% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821965PLM_7					Dissolved
10-12-2	Roof flashing	None Detected	15% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821965PLM_8					Dissolved
10-12-3	Roof flashing	None Detected	15% Cellulose	85% Other	Black Non Fibrous Homogeneous
51821965PLM_9					Dissolved

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Philip Szabo (12)

Analyst

Approved Signatory

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

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Area/Building: 11

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
11-1-1	2'x4' Pinhole and Fissure Ceiling Tile	Front Office Drop Ceiling	1	significantly damaged	200 ft <sup>2</sup>	friable	none detected
11-1-2	2'x4' Pinhole and Fissure Ceiling Tile	Front Office Drop Ceiling	1				none detected
11-1-3	2'x4' Pinhole and Fissure Ceiling Tile	Front Office Drop Ceiling	1				none detected
11-2-1	9"x9" Dark Brown Floor Tile and Mastic	Front Office Floor	1	damaged	200 ft <sup>2</sup>	non-friable	FT: none detected M: 3% Chrysotile
11-2-2	9"x9" Dark Brown Floor Tile and Mastic	Front Office Floor	1				FT: none detected M: 3% Chrysotile
11-2-3	9"x9" Dark Brown Floor Tile and Mastic	Front Office Floor	1				FT: none detected M: 3% Chrysotile
11-3-1	Black Window Caulk	Front Office Window	1	significantly damaged	20 ft	non-friable	none detected
11-3-2	Black Window Caulk	Front Office Window	1				none detected
11-3-3	Black Window Caulk	Front Office Window	1				none detected
11-4-1	Wallboard and Joint Compound	North Center Wall	1	significantly damaged	500 ft <sup>2</sup>	non-friable	none detected
11-4-2	Wallboard and Joint Compound	Middle of Center Wall	1				none detected
11-4-3	Wallboard and Joint Compound	South of Center Wall	1				none detected
11-5-1	White Door Caulk	Door Leading to Back Warehouse	1	significantly damaged	20 ft	non-friable	none detected
11-5-2	White Door Caulk	Door Leading to Back Warehouse	1				none detected
11-5-3	White Door Caulk	Door Leading to Back Warehouse	1				none detected
11-6-1	CMU Coating	Inside of Front Office	1	significantly damaged	1,000 ft <sup>2</sup>	non-friable	none detected
11-6-2	CMU Coating	Inside Near Garage Door	1				none detected
11-6-3	CMU Coating	Inside North Wall	1				none detected
11-7-1	Black Mastic Paper on Fiberglass Insulation Batting	Ceiling in Front Office	1	significantly damaged	200 ft <sup>2</sup>	friable	none detected
11-7-2	Black Mastic Paper on Fiberglass Insulation Batting	Ceiling in Front Office	1				none detected
11-7-3	Black Mastic Paper on Fiberglass Insulation Batting	Ceiling in Front Office	1				none detected
11-8-1	CMU Coating	Exterior of Front Double Door	EXT	significantly damaged	800 ft <sup>2</sup>	non-friable	none detected
11-8-2	CMU Coating	Exterior Near Office Window	EXT				none detected
11-8-3	CMU Coating	Exterior of Southwest Wall	EXT				none detected



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

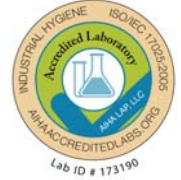
Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Area/Building: 11

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
11-9-1	Clear Caulk	Along Base of Wall Inside of Office	1	significantly damaged	60 ft	non-friable	none detected
11-9-2	Clear Caulk	Along Base of Wall Outside of Office	1				none detected
11-9-3	Clear Caulk	Along Base of Wall Outside of Office	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:** Gareth Hoffmann

**Lab Order ID:** 51819989  
**Analysis ID:** 51819989\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - Building 11 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
11-1-1	2'x4' Pinhole and fissure ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Gray Fibrous Heterogeneous
51819989PLM_1					Teased
11-1-2	2'x4' Pinhole and fissure ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Gray Fibrous Heterogeneous
51819989PLM_2					Teased
11-1-3	2'x4' Pinhole and fissure ceiling tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Gray Fibrous Heterogeneous
51819989PLM_3					Teased
11-2-1 - A	9"x9" Dark brown floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819989PLM_4	tile				Dissolved
11-2-1 - B	9"x9" Dark brown floor tile and mastic	3% Chrysotile	3% Cellulose	94% Other	Black Non Fibrous Homogeneous
51819989PLM_28	mastic				Dissolved
11-2-2 - A	9"x9" Dark brown floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819989PLM_5	tile				Dissolved
11-2-2 - B	9"x9" Dark brown floor tile and mastic	3% Chrysotile	3% Cellulose	94% Other	Black Non Fibrous Homogeneous
51819989PLM_29	mastic				Dissolved
11-2-3 - A	9"x9" Dark brown floor tile and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819989PLM_6	tile				Dissolved

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Bobby Wheatley (30)

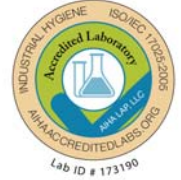
Analyst

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:** 51819989  
**Analysis ID:** 51819989\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - Building 11 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
11-2-3 - B	9"x9" Dark brown floor tile and mastic	3% Chrysotile	3% Cellulose	94% Other	Black Non Fibrous Homogeneous
51819989PLM_30	mastic				Dissolved
11-3-1	Black window caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51819989PLM_7					Ashed
11-3-2	Black window caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51819989PLM_8					Ashed
11-3-3	Black window caulk	None Detected		100% Other	Black Non Fibrous Homogeneous
51819989PLM_9					Ashed
11-4-1	Wallboard and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
51819989PLM_10	wallboard: none detect; joint compnd: none detect				Crushed
11-4-2	Wallboard and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
51819989PLM_11	wallboard: none detect; joint compnd: none detect				Crushed
11-4-3	Wallboard and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
51819989PLM_12	wallboard: none detect; joint compnd: none detect				Crushed
11-5-1	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819989PLM_13					Ashed

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Bobby Wheatley (30)

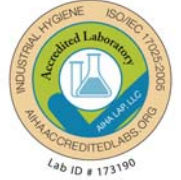
Analyst

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:** 51819989  
**Analysis ID:** 51819989\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - Building 11 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
11-5-2	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819989PLM_14					Ashed
11-5-3	White door caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819989PLM_15					Ashed
11-6-1	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_16					Ashed
11-6-2	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_17					Ashed
11-6-3	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_18					Ashed
11-7-1	Black mastic paper on fiberglass insulation batting	None Detected	60% Cellulose 10% Fiber Glass	30% Other	Black, Brown Fibrous Heterogeneous
51819989PLM_19					Teased, Dissolved
11-7-2	Black mastic paper on fiberglass insulation batting	None Detected	60% Cellulose 10% Fiber Glass	30% Other	Black, Brown Fibrous Heterogeneous
51819989PLM_20					Teased, Dissolved
11-7-3	Black mastic paper on fiberglass insulation batting	None Detected	60% Cellulose 10% Fiber Glass	30% Other	Black, Brown Fibrous Heterogeneous
51819989PLM_21					Teased, Dissolved

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Bobby Wheatley (30)

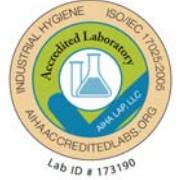
Analyst

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:** 51819989  
**Analysis ID:** 51819989\_PLM  
**Date Received:** 8/3/2018  
**Date Reported:** 8/9/2018

**Project:** Crompton & Knowles - Building 11 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
11-8-1	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_22					Ashed
11-8-2	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_23					Ashed
11-8-3	CMU coating	None Detected		100% Other	White Non Fibrous Heterogeneous
51819989PLM_24					Ashed
11-9-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819989PLM_25					Ashed
11-9-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819989PLM_26					Ashed
11-9-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819989PLM_27					Ashed

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Bobby Wheatley (30)

Analyst

Approved Signatory

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

Job Name: Crompton and Knowles  
Job Number: 71187168  
Area/Building: 11

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
11-10-1	white penetration caulk	above entrance	R	good		non-friable	none detected
11-10-2	white penetration caulk	middle of roof	R				none detected
11-10-3	white penetration caulk	front right	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:** 51821957  
**Analysis ID:** 51821957\_PLM  
**Date Received:** 8/27/2018  
**Date Reported:** 8/31/2018

**Project:** Crompton & Knowles; Building 11

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
11-10-1	White penetration caulk	None Detected	5% Wollastonite	95% Other	White, Beige Non Fibrous Homogeneous
51821957PLM_1					Crushed, Ashed
11-10-2	White penetration caulk	None Detected	5% Wollastonite	95% Other	White, Beige Non Fibrous Homogeneous
51821957PLM_2					Crushed, Ashed
11-10-3	White penetration caulk	None Detected	5% Wollastonite	95% Other	White, Beige Non Fibrous Homogeneous
51821957PLM_3					Crushed, Ashed

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Heather Davide (3)

Analyst

Approved Signatory

Inspector: Gareth Hoffmann / Russell Harrings  
 License: 13054 / 12222  
 Date: 8/15/2018

Job Name: Crompton and Knowles  
 Job Number: 71187168  
 Area/Building: 12

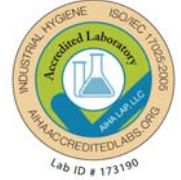
Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable	Lab Results
12-1-1	CMU Coating	East Wall Below Exhaust Fan	EXT	damaged		non-friable	none detected
12-1-2	CMU Coating	East Wall Right of Garage Door	EXT				none detected
12-1-3	CMU Coating	East Wall West of Garage Door	EXT				none detected
12-1-4	CMU Coating	South Wall	EXT				none detected
12-1-5	CMU Coating	West Wall by Large Tank	EXT				none detected
12-1-6	CMU Coating	West Wall by Small Horizontal Tank	EXT				none detected
12-1-7	CMU Coating	West Wall by Exterior Door	EXT				none detected
12-2-1	White Mastic on Pipe Wrap	Small Tank on West Side of Building	EXT	damaged	5ft	non-friable	M: 5% Chrysotile Wr: none detected
12-2-2	White Mastic on Pipe Wrap	Small Tank on West Side of Building	EXT				M: 5% Chrysotile Wr: none detected
12-2-3	White Mastic on Pipe Wrap	Small Tank on West Side of Building	EXT				M: 5% Chrysotile Wr: none detected
12-3-1	Clear Window Caulk on Door	Exterior Door at West of Building	EXT	damaged		non-friable	none detected
12-3-2	Clear Window Caulk on Door	Exterior Door at West of Building	EXT				none detected
12-3-3	Clear Window Caulk on Door	Exterior Door at West of Building	EXT				none detected
12-4-1	White Gasket	Coupling on Large Vertical Tank	EXT	damaged		non-friable	none detected
12-4-2	White Gasket	Coupling on Large Vertical Tank	EXT				none detected
12-4-3	White Gasket	Coupling on Large Vertical Tank	EXT				none detected
12-5-1	Black Mastic Tape on Pipe	Associated with Large Vertical Tank	EXT	damaged		non-friable	none detected
12-5-2	Black Mastic Tape on Pipe	Associated with Large Vertical Tank	EXT				none detected
12-5-3	Black Mastic Tape on Pipe	Associated with Large Vertical Tank	EXT				none detected
12-6-1	6" Pipe Insulation With Metal Jacket	Beneath Exhaust Fan Behind Building 12 (Pipe Runs Between Building 8 and 9)	EXT	damaged	50ft	friable	15% Amosite, 3% Chrysotile
12-6-2	6" Pipe Insulation With Metal Jacket	Beneath Exhaust Fan Behind Building 12 (Pipe Runs Between Building 8 and 9)	EXT				15% Amosite, 3% Chrysotile
12-6-3	6" Pipe Insulation With Metal Jacket	Beneath Exhaust Fan Behind Building 12 (Pipe Runs Between Building 8 and 9)	EXT				15% Amosite, 3% Chrysotile
12-7-1	Roof Membrane	East Corner	R	good		non-friable	none detected
12-7-2	Roof Membrane	Northeast Wall	R				none detected
12-7-3	Roof Membrane	North Corner	R				none detected
12-8-1	Roof Flashing	East Corner	R	good	250 ft	non-friable	none detected
12-8-2	Roof Flashing	Northeast Wall	R				5% Chrysotile
12-8-3	Roof Flashing	North Corner	R				5% Chrysotile
12-9-1	Black Roof Tar	East Corner	R	good	250 ft <sup>2</sup>	non-friable	10% Chrysotile
12-9-2	Black Roof Tar	Northeast Wall	R				10% Chrysotile
12-9-3	Black Roof Tar	North Corner	R				10% Chrysotile





# 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:** 51821676  
**Analysis ID:** 51821676\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 12

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
12-1-1	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_1					Dissolved
12-1-2	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_2					Dissolved
12-1-3	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_3					Dissolved
12-1-4	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_4					Dissolved
12-1-5	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_5					Dissolved
12-1-6	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_6					Dissolved
12-1-7	CUM coating	None Detected		100% Other	Gray Non Fibrous Heterogeneous
51821676PLM_7					Dissolved
12-2-1 - A	White mastic on pipe wrap	5% Chrysotile		95% Other	White Non Fibrous Heterogeneous
51821676PLM_8	mastic				Dissolved

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Bart Huber (37)

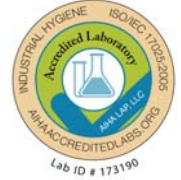
Analyst

Approved Signatory



# Bulk Asbestos Analysis

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



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 2701 Westport Rd  
 Charlotte, NC 28208

**Attn:** Russell Harrings

**Lab Order ID:** 51821676  
**Analysis ID:** 51821676\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 12

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
12-2-1 - B	White mastic on pipe wrap	None Detected	95% Fiber Glass	5% Other	Black Fibrous Heterogeneous
51821676PLM_32	wrap				Teased
12-2-2 - A	White mastic on pipe wrap	5% Chrysotile		95% Other	White Non Fibrous Heterogeneous
51821676PLM_9	mastic				Dissolved
12-2-2 - B	White mastic on pipe wrap	None Detected	95% Fiber Glass	5% Other	Black Fibrous Heterogeneous
51821676PLM_33	wrap				Teased
12-2-3 - A	White mastic on pipe wrap	5% Chrysotile		95% Other	White Non Fibrous Heterogeneous
51821676PLM_10	mastic				Dissolved
12-2-3 - B	White mastic on pipe wrap	None Detected	95% Fiber Glass	5% Other	Black Fibrous Heterogeneous
51821676PLM_34	wrap				Teased
12-3-1	Clear window caulk on door	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821676PLM_11					Dissolved
12-3-2	Clear window caulk on door	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821676PLM_12					Dissolved
12-3-3	Clear window caulk on door	None Detected		100% Other	Transparent Non Fibrous Heterogeneous
51821676PLM_13					Dissolved

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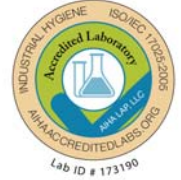
Analyst

Approved Signatory



# Bulk Asbestos Analysis

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



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 2701 Westport Rd  
 Charlotte, NC 28208

**Attn:** Russell Harrings

**Lab Order ID:** 51821676  
**Analysis ID:** 51821676\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 12

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
12-4-1	White gasket	None Detected	80% Cellulose	20% Other	Green Fibrous Heterogeneous
51821676PLM_14					Teased
12-4-2	White gasket	None Detected	80% Cellulose	20% Other	Green Fibrous Heterogeneous
51821676PLM_15					Teased
12-4-3	White gasket	None Detected	80% Cellulose	20% Other	Green Fibrous Heterogeneous
51821676PLM_16					Teased
12-5-1	Black mastic tape on pipe	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821676PLM_17					Dissolved
12-5-2	Black mastic tape on pipe	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821676PLM_18					Dissolved
12-5-3	Black mastic tape on pipe	None Detected		100% Other	Black Non Fibrous Heterogeneous
51821676PLM_19					Dissolved
12-6-1	6" pipe insulation with metal jacket	15% Amosite 3% Chrysotile		82% Other	White Non Fibrous Heterogeneous
51821676PLM_20					Teased, Crushed
12-6-2	6" pipe insulation with metal jacket	15% Amosite 3% Chrysotile		82% Other	White Non Fibrous Heterogeneous
51821676PLM_21					Teased, Crushed

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Bart Huber (37)

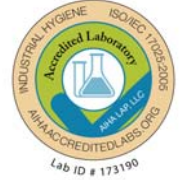
Analyst

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:** 51821676  
**Analysis ID:** 51821676\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 12

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
12-6-3	6" pipe insulation with metal jacket	15% <b>Amosite</b> 3% <b>Chrysotile</b>		82% <b>Other</b>	White Non Fibrous Heterogeneous
51821676PLM_22					Teased, Crushed
12-7-1 - A	Roof membrane	<b>None Detected</b>	15% <b>Synthetic Fibers</b>	85% <b>Other</b>	Black Non Fibrous Heterogeneous
51821676PLM_23	built up roofing				Dissolved
12-7-1 - B	Roof membrane	<b>None Detected</b>	80% <b>Cellulose</b>	20% <b>Other</b>	Brown Fibrous Heterogeneous
51821676PLM_35	insulation				Teased
12-7-2 - A	Roof membrane	<b>None Detected</b>	15% <b>Synthetic Fibers</b>	85% <b>Other</b>	Black Non Fibrous Heterogeneous
51821676PLM_24	built up roofing				Dissolved
12-7-2 - B	Roof membrane	<b>None Detected</b>	80% <b>Cellulose</b>	20% <b>Other</b>	Brown Fibrous Heterogeneous
51821676PLM_36	insulation				Teased
12-7-3 - A	Roof membrane	<b>None Detected</b>	15% <b>Synthetic Fibers</b>	85% <b>Other</b>	Black Non Fibrous Heterogeneous
51821676PLM_25	built up roofing				Dissolved
12-7-3 - B	Roof membrane	<b>None Detected</b>	80% <b>Cellulose</b>	20% <b>Other</b>	Brown Fibrous Heterogeneous
51821676PLM_37	insulation				Teased
12-8-1	Roof flashing	<b>None Detected</b>	10% <b>Synthetic Fibers</b>	90% <b>Other</b>	Black, White Non Fibrous Heterogeneous
51821676PLM_26					Dissolved

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Bart Huber (37)

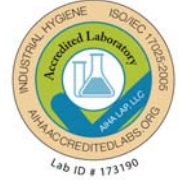
Analyst

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:** 51821676  
**Analysis ID:** 51821676\_PLM  
**Date Received:** 8/23/2018  
**Date Reported:** 8/29/2018

**Project:** Compton and Knowles Building 12

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
12-8-2	Roof flashing	5% Chrysotile	10% Fiber Glass 5% Synthetic Fibers	80% Other	Black Non Fibrous Heterogeneous
51821676PLM_27					Dissolved
12-8-3	Roof flashing	5% Chrysotile	10% Fiber Glass 5% Synthetic Fibers	80% Other	Black Non Fibrous Heterogeneous
51821676PLM_28					Dissolved
12-9-1	Black roof tar	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
51821676PLM_29					Dissolved
12-9-2	Black roof tar	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
51821676PLM_30					Dissolved
12-9-3	Black roof tar	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
51821676PLM_31					Dissolved

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Bart Huber (37)

Analyst

Approved Signatory

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

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
13-1-1	CMU Coating	Exterior Wall East	EXT	significantly damaged		friable	none detected
13-1-2	CMU Coating	Exterior Wall East	EXT				none detected
13-1-3	CMU Coating	Exterior Wall North	EXT				none detected
13-1-4	CMU Coating	Exterior Wall North	EXT				none detected
13-1-5	CMU Coating	Exterior Wall West	EXT				none detected
13-1-6	CMU Coating	Exterior Wall West	EXT				none detected
13-1-7	CMU Coating	Exterior Wall South	EXT				none detected
13-2-1	2'x4' Pinhole and Fissure Ceiling Tile	Front Office	1	significantly damaged		friable	none detected
13-2-2	2'x4' Pinhole and Fissure Ceiling Tile	Back Office	1				none detected
13-2-3	2'x4' Pinhole and Fissure Ceiling Tile	Front Office	1				none detected
13-3-1	12"x12" Black Floor Tile and Mastic	Front Office	1	damaged	325 ft <sup>2</sup>	non-friable	FT: 3% Chrysotile M: 5% Chrysotile
13-3-2	12"x12" Black Floor Tile and Mastic	Back Office	1				FT: 3% Chrysotile M: 5% Chrysotile
13-3-3	12"x12" Black Floor Tile and Mastic	Front Office	1				FT: 3% Chrysotile M: 5% Chrysotile
13-4-1	Wallboard on Ceiling	Front of Shop Space	1	damaged		friable	none detected
13-4-2	Wallboard on Ceiling	Middle of Shop Space	1				none detected
13-4-3	Wallboard on Ceiling	Back of Shop Space	1				none detected
13-5-1	Clear Caulk	Exterior Window Frame	1	damaged		non-friable	none detected
13-5-2	Clear Caulk	Exterior Window Frame	1				none detected
13-5-3	Clear Caulk	Exterior Window Frame	1				none detected
13-6-1	Wall Caulk	Exterior Wall Outside of Shop Side Door	1	damaged		non-friable	none detected
13-6-2	Wall Caulk	Exterior Wall Outside of Shop Side Door	1				none detected
13-6-3	Wall Caulk	Exterior Wall Outside of Shop Side Door	1				none detected
13-7-1	4" Black Covebase and Mastic	Back Office	1	damaged		non-friable	none detected
13-7-2	4" Black Covebase and Mastic	Back Office	1				none detected
13-7-3	4" Black Covebase and Mastic	Back Office	1				none detected
13-8-1	Wallboard (No Joint Compound)	Wall in Tool Room	1	damaged		friable	none detected
13-8-2	Wallboard (No Joint Compound)	Wall in Tool Room	1				none detected
13-8-3	Wallboard (No Joint Compound)	Wall in Tool Room	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:** 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
13-1-1	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_1					Dissolved
13-1-2	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_2					Dissolved
13-1-3	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_3					Dissolved
13-1-4	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_4					Dissolved
13-1-5	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_5					Dissolved
13-1-6	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_6					Dissolved
13-1-7	CMU coating	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_7					Dissolved
13-2-1	2'x4' Pinhole and fissure ceiling tile	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
51819983PLM_8					Ashed, Dissolved

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Philip Szabo (34)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

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



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**Project:** Crompton & Knowles - building 13 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
13-2-2	2'x4' Pinhole and fissure ceiling tile	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
51819983PLM_9					Ashed, Dissolved
13-2-3	2'x4' Pinhole and fissure ceiling tile	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
51819983PLM_10					Ashed, Dissolved
13-3-1 - A	12"x12" black floor tile and mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819983PLM_11	tile				Dissolved
13-3-1 - B	12"x12" black floor tile and mastic	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51819983PLM_29	mastic				Dissolved
13-3-2 - A	12"x12" black floor tile and mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819983PLM_12	tile				Dissolved
13-3-2 - B	12"x12" black floor tile and mastic	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51819983PLM_30	mastic				Dissolved
13-3-3 - A	12"x12" black floor tile and mastic	3% Chrysotile		97% Other	Black Non Fibrous Homogeneous
51819983PLM_13	tile				Dissolved
13-3-3 - B	12"x12" black floor tile and mastic	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
51819983PLM_31	mastic				Dissolved

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**Project:** Crompton & Knowles - building 13 71187168

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
13-4-1	Wallboard on ceiling	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray Non Fibrous Homogeneous
51819983PLM_14					Dissolved
13-4-2	Wallboard on ceiling	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray Non Fibrous Homogeneous
51819983PLM_15					Dissolved
13-4-3	Wallboard on ceiling	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray Non Fibrous Homogeneous
51819983PLM_16					Dissolved
13-5-1	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819983PLM_17					Dissolved
13-5-2	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819983PLM_18					Dissolved
13-5-3	Clear caulk	None Detected		100% Other	Transparent Non Fibrous Homogeneous
51819983PLM_19					Dissolved
13-6-1	Wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_20					Dissolved
13-6-2	Wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_21					Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
13-6-3	Wall caulk	None Detected		100% Other	White Non Fibrous Homogeneous
51819983PLM_22					Dissolved
13-7-1 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819983PLM_23	covebase				Ashed, Dissolved
13-7-1 - B	4" Black covebase and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819983PLM_32	mastic				Dissolved
13-7-2 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819983PLM_24	covebase				Ashed, Dissolved
13-7-2 - B	4" Black covebase and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819983PLM_33	mastic				Dissolved
13-7-3 - A	4" Black covebase and mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
51819983PLM_25	covebase				Ashed, Dissolved
13-7-3 - B	4" Black covebase and mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
51819983PLM_34	mastic				Dissolved
13-8-1	Wallboard (No joint compound)	None Detected	5% Cellulose 5% Fiber Glass	90% Other	White Non Fibrous Homogeneous
51819983PLM_26					Dissolved

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