

Appendix G

Waterproof Coating Material - Laboratory Analysis



EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
<http://www.EMSL.com> / buffalolab@emsl.com

EMSL Order: 141801557

Customer ID: TNTA42

Customer PO:

Project ID:

Attention: Mark Lovejoy
Tantara Associates Corporation
54 Mason St.
Worcester, MA 01610

Phone: (508) 752-5599

Fax: (508) 752-1005

Received Date: 04/10/2018 3:00 PM

Analysis Date: 04/11/2018

Collected Date:

Project: 16-299

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

Sample ID	Description	Appearance	Matrix Material	% Non-Asbestos Fibers	% Asbestos Types
1 141801557-0001	SILO #2 Ext - Rubbery Coating	Black Fibrous Homogeneous	95.6% Other	None	4.4% Chrysotile 4.4% Total
2 141801557-0002	SILO #3 Fabric - Concrete Waterproofing	Black Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
3 141801557-0003	SILO #3 Combo - Concrete Waterproofing	Black Non-Fibrous Heterogeneous	100% Other	None	Inconclusive: No Asbestos Detected

Analyst(s)

Shauna Strnad (3)

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 04/11/2018 11:08:03



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Worcester, MA 01610

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Received Date: 04/10/2018 3:00 PM

Analysis Date: 04/11/2018

Collected Date:

Project: 16-299

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

Sample ID	Description	Appearance	Matrix Material	% Non-Asbestos Fibers	% Asbestos Types	% Total Asbestos
1 141801557-0001	SILO #2 Ext - Rubbery Coating					
Not Analyzed						
2 141801557-0002	SILO #3 Fabric - Concrete Waterproofing	Black Fibrous Homogeneous	100% Other	None	No Asbestos Detected	
3 141801557-0003	SILO #3 Combo - Concrete Waterproofing	Black Non-Fibrous Heterogeneous	100% Other	None	No Asbestos Detected	

Analyst(s)

Tom Hanes (2)

Rhonda McGee, Laboratory Manager
or other approved signatory

Analytical Sensitivity <1% Asbestos. This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 04/11/2018 11:08:03

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

141801557

 EMSL ANALYTICAL, INC.
 490 ROWLEY RD
 DEPEW, NY 14043
 PHONE: (716) 651-0030
 FAX: (716) 651-0394

Company: <u>TANTARA Corp.</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>54 Mason St.</u>		Third Party Billing requires written authorization from third party	
City: <u>Worcester</u>	State/Province: <u>MA</u>	Zip/Postal Code: <u>01610</u>	Country: <u>USA</u>
Report To (Name): <u>Mark Lovejoy</u>		Telephone #: <u>339-234-3142</u>	
Email Address: <u>mlovejoy@tantara.com</u>		Purchase Order:	
Project Name/Number: <u>16-299</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>NY</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input checked="" type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input checked="" type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
<input type="checkbox"/> OSHA ID-191 Modified		<input type="checkbox"/>	
<input type="checkbox"/> Standard Addition Method			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled:	
Samplers Name: <u>M. Lovejoy</u>		Samplers Signature:	
Sample #	HA #	Sample Location	Material Description
<u>1</u>		<u>Silo #2 EXT</u>	<u>Rubbery Coating</u>
<u>2</u>		<u>Silo #3 FABRIC</u>	<u>Concrete Waterproofing</u>
<u>3</u>		<u>Silo #3 COMBO</u>	<u>" "</u>
Client Sample # (s): <u>M. Lovejoy</u>		Total # of Samples: <u>3</u>	
Relinquished (Client): <u>M. Lovejoy</u>		Date: <u>4/10/18</u>	Time: <u>1500</u>
Received (Lab):		Date:	Time:
Comments/Special Instructions:			

 RECEIVED
 APR 10 2018
BY: [Signature] 3pm
WT