

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041523523

CustomerID: RFWE53

CustomerPO:

ProjectID:

Attn: **Smita Sumbaly**  
**Weston Solutions (King Georges Post)**  
**1090 King Georges Post Road**  
**Suite 201**  
**Edison, NJ 08837**

Phone: (732) 585-4400  
 Fax:  
 Received: 08/05/15 6:40 PM  
 Analysis Date: 8/25/2015  
 Collected: 8/4/2015

Project: RFP #335

**Test Report:Asbestos Analysis of Bulk Material**

Test	Analyzed Date	Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> P001-BA-001-01 041523523-0001		<b>Description</b> <b>Homogeneity</b>	P001-BA-001 Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Gray/White	20.00% Cellulose	35.60% Non-fibrous (other)	<b>44.40% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> P001-BA-002-01 041523523-0002		<b>Description</b> <b>Homogeneity</b>	P001-BA-002 Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Gray/White	10.00% Cellulose	32.90% Non-fibrous (other)	<b>57.10% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> P001-BA-003-01 041523523-0003		<b>Description</b> <b>Homogeneity</b>	P001-BA-003 Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Gray/Black		66.70% Non-fibrous (other)	<b>33.30% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> P001-BA-004-01 041523523-0004		<b>Description</b> <b>Homogeneity</b>	P001-BA-004 Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Brown	2.00% Cellulose	98.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> P001-BA-005-01 041523523-0005		<b>Description</b> <b>Homogeneity</b>	P001-BA-005 Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	White		78.94% Non-fibrous (other)	<b>15.80% Amosite</b> <b>5.26% Chrysotile</b> <b>21.06% Total</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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**Test Report:Asbestos Analysis of Bulk Material**

		Non Asbestos			
Test		Color	Fibrous	Non-Fibrous	Asbestos
<b>Sample ID</b>	P001-BA-006-01 041523523-0006	<b>Description</b>	P001-BA-006		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Gray	10.00% Cellulose	63.30% Non-fibrous (other)	<b>26.70% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-007-01-Skim Coat 041523523-0007	<b>Description</b>	P001-BA-007		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	White		100.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-007-01-Base Coat 041523523-0007A	<b>Description</b>	P001-BA-007		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-008-01 041523523-0008	<b>Description</b>	P001-BA-008		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Tan	2.00% Cellulose	93.18% Non-fibrous (other)	<b>4.82% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-009-01 041523523-0009	<b>Description</b>	P001-BA-009		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	8/25/2015	Black			<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	8/27/2015	Black			<b>None Detected</b>
<b>Sample ID</b>	P001-BA-010-01 041523523-0010	<b>Description</b>	P001-BA-010		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/25/2015	Brown/Gray	10.00% Cellulose	68.90% Non-fibrous (other)	<b>21.10% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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**Test Report:Asbestos Analysis of Bulk Material**

		Non Asbestos			
Test		Color	Fibrous	Non-Fibrous	Asbestos
<b>Sample ID</b>	P001-BA-011-01 041523523-0011	<b>Description</b>	P001-BA-011		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	8/26/2015	Tan	7.6% Min. Wool		<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	8/27/2015	Tan			<b>None Detected</b>
<b>Sample ID</b>	P001-BA-012-01 041523523-0012	<b>Description</b>	P001-BA-012		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/26/2015	Brown		100.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-013-01 041523523-0013	<b>Description</b>	P001-BA-013		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/26/2015	Gray	20.00% Cellulose	60.90% Non-fibrous (other)	<b>19.10% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-014-01 041523523-0014	<b>Description</b>	P001-BA-014		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	8/25/2015	Green			<b>5.4% Chrysotile</b>
					<b>5.4% Total</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-015-01 041523523-0015	<b>Description</b>	P001-BA-015		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/26/2015	Gray	95.00% Cellulose	5.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b>	P001-BA-016-01 041523523-0016	<b>Description</b>	P001-BA-016		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	8/26/2015	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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**Test Report:Asbestos Analysis of Bulk Material**

Test		Non Asbestos		Asbestos	
		Color	Fibrous	Non-Fibrous	
Sample ID	P001-BA-017-01 041523523-0017	Description Homogeneity	P001-BA-017 Homogeneous		
PLM NYS 198.1 Friable	8/26/2015	White		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	P001-BA-018-01 041523523-0018	Description Homogeneity	P001-BA-018 Homogeneous		
PLM NYS 198.1 Friable	8/26/2015	Gray		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	P001-BA-019-01 041523523-0019	Description Homogeneity	P001-BA-019 Homogeneous		
PLM NYS 198.1 Friable	8/26/2015	Gray		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	P001-BA-020-01 041523523-0020	Description Homogeneity	P001-BA-020 Homogeneous		
PLM NYS 198.1 Friable	8/26/2015	White	20.00% Cellulose	43.60% Non-fibrous (other)	36.40% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	P001-BA-021-01 041523523-0021	Description Homogeneity	P001-BA-021 Homogeneous		
PLM NYS 198.1 Friable	8/26/2015	Gray		63.60% Non-fibrous (other)	36.40% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed



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### Test Report: Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Analyst(s)				
<u>Juli Patel</u>				
Samantha Rundstorm				
Wayne Froehlich				
				
				Benjamin Ellis, Laboratory Manager or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf)

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EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367