

OCT-10-2001 10:40

US EPA

1212 637 3998

P.02

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Project: "Suspect Asbestos"

Customer ID: +03usaepa

Customer PO:

Received: 10/09/01 3:23 PM

EMSL Order: 030105751

EMSL Project ID:

Analysis Date: 10/9/01

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
1 030105751-0001	Debris off structural Steel / Metal Mngmt, Newark	White Fibrous Heterogeneous	Dissolved Teased	65% Min. Wool <1% Cellulose	35% Non-fibrous (other)	None Detected
2 030105751-0002	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	35% Glass 25% Cellulose	20% Non-fibrous (other) 20% Mica	None Detected
3 030105751-0003	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	68% Min. Wool 2% Cellulose	30% Non-fibrous (other)	None Detected
4 030105751-0004	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	65% Min. Wool <1% Cellulose	35% Non-fibrous (other)	None Detected
5 030105751-0005	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	70% Min. Wool <1% Cellulose	30% Non-fibrous (other)	None Detected
6 030105751-0006	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	67% Min. Wool 3% Cellulose	30% Non-fibrous (other)	<1% Chrysotile
7 030105751-0007	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	65% Min. Wool 2% Cellulose	33% Non-fibrous (other)	None Detected

Analyst(s)

Ram Yallabandi (25)

Laboratory Manager
or other approved signatory

PLM has been shown to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items listed. This report may not be reprinted, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYSLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NYSLAP #101046-B) NY ELAP 11506

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P.03

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	<u>Non-Asbestos</u>		<u>Asbestos</u>
				% Fibrous	% Non-Fibrous	% Type
8 030105751-0008	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	68% Min. Wool 2% Cellulose	30% Non-fibrous (other)	None Detected
9 030105751-0009	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	70% Min. Wool <1% Cellulose	30% Non-fibrous (other)	None Detected
10 030105751-0010	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	65% Min. Wool	35% Non-fibrous (other)	None Detected
11 030105751-0011	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	20% Glass 25% Cellulose	35% Non-fibrous (other) 20% Mica	None Detected
12 030105751-0012	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	20% Glass 30% Cellulose	25% Non-fibrous (other) 25% Mica	None Detected
13 030105751-0013	Debris off structural Steel / Metal Mngmt, Newark	Gray Fibrous Heterogeneous	Dissolved Teased	20% Glass 35% Cellulose	25% Non-fibrous (other) 20% Mica	None Detected
14 030105751-0014	Debris off structural Steel / Metal Mngmt, Newark	White Fibrous Heterogeneous	Dissolved Teased	68% Min. Wool <1% Cellulose	32% Non-fibrous (other)	None Detected

Analyst(s)

Ram Yaffabandi (25)



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P.04

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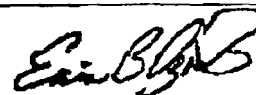
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
15 030105751-0018	Debris off structural Steel / Metal Mgmt. Newark	White Fibrous Heterogeneous	Dissolved Teased	70% Min. Wool <1% Cellulose	30% Non-fibrous (other)	None Detected
16 030105751-0018	Debris off structural Steel / HNSE Jersey City, NJ	Yellow Fibrous Heterogeneous	Teased	75% Min. Wool	5% Non-fibrous (other) 20% CA Carbonite	None Detected
17 030105751-0017	Debris off structural Steel / HNSE Jersey City, NJ	Gray Fibrous Heterogeneous	Teased	10% Cellulose	26% Non-fibrous (other) 20% Gypsum 20% CA Carbonite	24% Chrysotile
18 030105751-0018	Debris off structural Steel / HNSE Jersey City, NJ	Gray Fibrous Heterogeneous	Teased	2% Glass 5% Cellulose	22% Non-fibrous (other) 20% Gypsum 20% CA Carbonite	31% Chrysotile
19 030105751-0019	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	65% Min. Wool	10% Non-fibrous (other) 25% CA Carbonite	<1% Chrysotile
20 030105751-0020	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	70% Min Wool 2% Cellulose	3% Non-fibrous (other) 25% CA Carbonite	None Detected
21 030105751-0021	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	50% Min Wool 5% Cellulose	20% Non-fibrous (other) 10% Gypsum 15% CA Carbonite	<1% Chrysotile

Analyst(s)

Ram Yallabandi (25)



Laboratory Manager
or other approved signatory

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Analysis performed by EMSL Manhattan (NVLAP #101048-2), NY ELAP 11576



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US EPA

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
22 030105751-0022	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	55% Min. Wool 5% Cellulose	20% Non-fibrous (other) 5% Gypsum 15% CA Carbonite	<1% Chrysotile
23 030105751-0023	Debris off structural Steel / HNSE Jersey City, NJ	Gray Fibrous Heterogeneous	Teased	10% Min. Wool 25% Cellulose	20% Perite 15% Non-fibrous (other) 30% Gypsum	None Detected
24 030105751-0024	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	75% Min Wool	25% Non-fibrous (other)	None Detected
25 030105751-0025	Debris off structural Steel / HNSE Jersey City, NJ	White Fibrous Heterogeneous	Teased	70% Min. Wool	15% Non-fibrous (other) 5% Gypsum 10% CA Carbonite	None Detected

Analyst(s)

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Analysis performed by EMSL Manhattan (NVLAP #101048-B), NY ELAP 11508

