

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221905552

EMSL ANALYTICAL, INC
1010 YUMA ST.
DENVER, CO 80204
PHONE (303)740-5700
FAX: (303)741-1400

Company : HERO Inspections & Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 3580 Smuggler Circle		Third Party Billing requires written authorization from third party	
City: Boulder	State/Province: CO	Zip/Postal Code: 80305	Country: US
Report To (Name): HERO		Fax #:	
Telephone #: 303-500-3378		Email Address: hero@HEROinspect.com	
Project Name/Number: 870 East East			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: CO
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hours <input type="checkbox"/> 6 Hours <input checked="" type="checkbox"/> 24 Hrs <input type="checkbox"/> 48 Hrs <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days			
<small>*For TEM Air 3 hours/6 hours, 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>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA		TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
		Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative)	
		Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name: Greg Fowler		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-1 to 1-5	Popcorn Ceiling	Bulk	7-11-19 12:20
2-1 to 2-3	Kitchen waste	Bulk	12:30
3-1	Kitchen Core	Bulk	12:40
3-2			
3-3			
3-4			
3-5			
Client Sample # (s):		Total # of Samples:	
Relinquished (Client):	Curtis Kloc	Date: 7-11-19	Time: 14:23
Received (Lab):		Date: 7-11-19	Time: 5:15pm
Comments/Special Instructions:			



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com/denverlab@emsl.com>

EMSL Order: 221905552

Customer ID: HIES42

Customer PO:

Project ID:

Attention: HERO

HERO Inspections & Environmental

3580 Smuggler Circle

Boulder, CO 80305

Phone: (303) 500-3378

Fax:

Received Date: 07/11/2019 5:15 PM

Analysis Date: 07/12/2019

Collected Date: 07/11/2019

Project: 870 EAST EASTER

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 221905552-0001 <i>Inseparable paint / coating layer included in analysis</i>	POPCORN CEILING	White Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
1-2 221905552-0002 <i>Inseparable paint / coating layer included in analysis</i>	POPCORN CEILING	White Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
1-3 221905552-0003 <i>Inseparable paint / coating layer included in analysis</i>	POPCORN CEILING	White Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
1-4 221905552-0004 <i>Inseparable paint / coating layer included in analysis</i>	POPCORN CEILING	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
1-5 221905552-0005	POPCORN CEILING	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
2-1 221905552-0006	KIT FLOOR MASTIC	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	<1% Chrysotile
2-2 221905552-0007	KIT FLOOR MASTIC	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	<1% Chrysotile
2-3 221905552-0008	KIT FLOOR MASTIC	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
3-1-Texture 221905552-0009 <i>Inseparable paint / coating layer included in analysis</i>	KIT WALL CORE	White Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
3-1-Drywall 221905552-0009A	KIT WALL CORE	Brown/White Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221905552

Customer ID: HIES42

Customer PO:

Project ID:

Analyst(s)

Molly Elkins (3)

Mollie Shreck (7)

Melanie Rech, Laboratory Director
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/12/2019 17:51:31