



# EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

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EMSL Order: 411904746

Customer ID: AEIC62

Customer PO: 382015

Project ID:

**Attention:** Staige Miller  
AEI Consultants  
2500 Camino Diablo  
Suite 100  
Walnut Creek, CA 94597

**Phone:** (804) 938-3935

**Fax:**

**Received Date:** 05/20/2019 8:35 AM

**Analysis Date:** 05/20/2019

**Collected Date:**

**Project:** 382015/ Isabella Towers/ 1515 Isabella Circle, Knoxville, TN 37915

## 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
1A <small>411904746-0001</small>	501 BR CL Wall - Drywall & Joint Compound	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2A-Joint Compound <small>411904746-0001A</small>	501 BR CL Wall - Drywall & Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
2A-Tape <small>411904746-0001B</small>	501 BR CL Wall - Drywall & Joint Compound	Tan Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
1B <small>411904746-0002</small>	539 LR Wall - Drywall & Joint Compound	Gray Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2B <small>411904746-0002A</small>	539 LR Wall - Drywall & Joint Compound	Beige Non-Fibrous Homogeneous		30% Ca Carbonate 68% Non-fibrous (Other)	2% Chrysotile
1C <small>411904746-0003</small>	115 BR CL Wall - Drywall & Joint Compound	Brown/Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
2C-Joint Compound <small>411904746-0003A</small>	115 BR CL Wall - Drywall & Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
2C-Tape <small>411904746-0003B</small>	115 BR CL Wall - Drywall & Joint Compound	Tan Fibrous Homogeneous	100% Cellulose		None Detected
2D <small>411904746-0004</small>	431 BR Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
2E <small>411904746-0005</small>	119 Kitchen Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
2F <small>411904746-0006</small>	Maint. Office Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
2G-Drywall <small>411904746-0007</small>	A215 CL Wall - Joint Compound	Brown/Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
2G-Joint Compound <small>411904746-0007A</small>	A215 CL Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
2G-Tape <small>411904746-0007B</small>	A215 CL Wall - Joint Compound	Tan Fibrous Homogeneous	100% Cellulose		None Detected
7A <small>411904746-0008</small>	Social Room - 2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Perlite	None Detected
7B <small>411904746-0009</small>	Social Room - 2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected

Initial report from: 05/20/2019 14:57:06



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
7C <i>411904746-0010</i>	Social Room - 2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	15% Min. Wool	60% Ca Carbonate 20% Perlite 5% Non-fibrous (Other)	None Detected
8A-Gray Layer <i>411904746-0011</i>	Pump Room - Mudded Pipe Fitting	Gray Fibrous Homogeneous	1% Cellulose 80% Min. Wool	19% Non-fibrous (Other)	None Detected
8A-Insulation <i>411904746-0011A</i>	Pump Room - Mudded Pipe Fitting	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected
8B-Gray Layer <i>411904746-0012</i>	Pump Room - Mudded Pipe Fitting	Gray Fibrous Homogeneous	80% Min. Wool	20% Non-fibrous (Other)	None Detected
8B-Insulation <i>411904746-0012A</i>	Pump Room - Mudded Pipe Fitting	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected
8C <i>411904746-0013</i>	Pump Room - Mudded Pipe Fitting	Gray Fibrous Homogeneous	1% Cellulose 80% Min. Wool	19% Non-fibrous (Other)	None Detected

Analyst(s)  
 Matthew McDonald (9)  
 Sarah Breneman (13)

Lee Plumley, Laboratory Manager  
 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. Pineville, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from: 05/20/2019 14:57:06