



# Asbestos and Lead Paint Survey Report

Kelley Engineering Center

110 SW Park Terrace

Corvallis, Oregon

Prepared for:

Oregon State University

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Laboratory Data	Not Numbered
Inspector Certification	Not Numbered

May 2023  
Project No.: 52698.013

## GENERAL INFORMATION

### BUILDING DATA

Kelley Engineering Center  
110 SW Park Terrace  
Corvallis, Oregon

### CLIENT DATA

OSU Facilities Services  
129 Oak Creek Building  
3015 SW Western Boulevard  
Corvallis, Oregon 97333

PBS Engineering and Environmental, Inc. (PBS) has performed a hazardous building materials survey of the Kelley Engineering Center located at 110 SW Park Terrace in Corvallis, Oregon. The scope of work included a comprehensive asbestos and lead paint survey of all accessible interior and exterior areas of the building. The survey was conducted in support of a planned renovation project and was performed in general accordance with OSHA regulations in 29 CFR 1910.1001 and Oregon Department of Environmental Quality (DEQ) regulations in OAR 340-248-0270. Based on the information gathered during the site inspection and laboratory analysis, this report contains the following information:

- A summary of asbestos-containing materials discovered during the inspection, including a material description and location of each identified asbestos-containing material (ACM);
- A summary of lead paint sampling;
- A sample inventory listing the sample number, location, material description, and laboratory results for each sample;
- Laboratory analysis reports and chain of custody documentation;
- Inspector(s) Certification

## SURVEY SCOPE

### Asbestos

PBS endeavored to locate all suspect asbestos-containing materials within accessible areas of the building; however, additional suspect asbestos-containing materials may be concealed in areas that were inaccessible during the survey. If additional suspect materials are uncovered during renovation or demolition activities that are not identified in this report, testing should be performed prior to impact. This survey was conducted to identify and sample accessible suspect asbestos-containing building materials and it is not considered an exhaustive survey of every building material.

### Lead Paint

PBS collected bulk samples from representative painted surfaces from the building interior and exterior. The samples were analyzed for lead using FAA (flame atomic absorption). No attempt was made to determine the paint history of the components that were sampled. The lead paint testing conducted

during this survey was for site lead hazard characterization purposes and was not a surface-by-surface inspection of every painted building component.

**Certification**

PBS has conducted a physical inspection of the Kelley Engineering Center located at 110 SW Park Terrace in Corvallis, Oregon, compiled this report consistent with the survey scope, and certifies that the information is correct and accurate within the standards of professional quality and contractual obligations.

Kennedy Potts  
Inspector/Industrial Hygienist  
Accreditation: IR-22-9385B

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Signature

Date

Reviewed by: JH

## INSPECTION SUMMARY

<b>DATES</b>	<b>SURVEYED BY</b>	<b>ACTIVITY</b>
March 7-10 & April 27, 2023	Aaron LeFore, Kennedy Potts	Materials Inventory and Bulk Sample Collection

PBS Engineering and Environmental, Inc. has investigated accessible areas of the building located at 110 SW Park Terrace to locate suspect asbestos-containing building materials (ACBM). The scope of work was limited to interior and exterior accessible areas. The findings are listed below.

## ASBESTOS MATERIALS

No asbestos-containing materials were found during this investigation.

## MATERIALS WHICH TESTED NEGATIVE FOR ASBESTOS

The following materials tested negative based on ASHARA sampling minimums and testing by NVLAP participating laboratories. Although no asbestos was detected, it is possible that further sampling could indicate asbestos content.

<b>Material</b>	<b>Location</b>
Carpet, multiple colors/Mastic, multiple colors on floating floor panels	Floors throughout corridors and office spaces throughout
Ceramic tile, multiple sizes and colors/Grout, grey	Bathrooms throughout Central Staircases throughout H1000A, H1000B, H1000C, H1000J, V1000A, 1121, 1138, B2001, B2002, B2003, B3001, B3002, B3003
Rubber Flooring Mat, black with white specks on floating floor panels	Rooms; 1040, 1041, 1044, 1094, 1098, 1106, 1106A, 1108, 1108A, 1110, 2094, 2098, 2106, 2110, 2126, 3004, 3006, 3008, 3012, 3094, 3106, 3110
Covebase, 4" grey or tan/Mastic, white	Floors throughout
Gypsum Wallboard, white/Joint Compound, white	Walls throughout
Lay-in Ceiling Tile, 2'x4' white with 2'x2' appearance, random pinholes	Ceilings throughout
Duct Sealant, grey or tan	On ducting seams above ceilings throughout
Fireproofing, grey	On fourth floor ceilings, above ceiling grid throughout

<b>Material</b>	<b>Location</b>
Footing Mastic, tan	Below floating floors throughout
Flange Gasket, green	At mechanical connections throughout Basement
Brick, red/Mortar, grey	Exterior siding throughout
Expansion Joint Sealant, black	Exterior vertical seams at building corners
Concrete/Sealant, white	Pillars at Main Entry
Window Sealant, black	On windows throughout
Built-up Roofing, black asphaltic/Cellulose, brown/Foam, yellow	Roofs throughout

All asbestos bulk samples were collected by an EPA AHERA accredited inspector and analyzed using Polarized Light Microscopy (PLM) with dispersion staining. Samples were submitted under chain of custody to NVL Labs in Seattle, WA (NVLAP # 102063-0) for analysis. The laboratory analysis reports are attached to this report.

**Asbestos Regulatory Issues**

The State of Oregon Department of Environmental Quality (DEQ) and United States Environmental Protection Agency (EPA) regulations require proper removal and handling of asbestos-containing building materials (ACBM) by a licensed and trained asbestos abatement contractor prior to the renovation or demolition of buildings. In addition, Oregon-OSHA has specific requirements when workers may encounter or disturb ACBM or when ACBM is removed.

The EPA, DEQ, and OSHA all define ACBM as "any material containing more than one percent asbestos."

In 1994, Oregon-OSHA adopted federal regulation governing asbestos (29CFR Part 1926.1101). These regulations have made significant changes in work procedures and how asbestos-containing materials are removed. OSHA believes that the single biggest problem is to workers who unknowingly or improperly disturb ACBM. Hazard communication, training, personal protection, work practices, exposure monitoring, and recordkeeping are all major components of the regulation. Oregon Administrative Rules-340, Division 32 and 33, also covers asbestos abatement requirements, removal notifications, licensing, and certifications of contractors.

Reference documents for the removal of asbestos-containing materials include the following:

1. Oregon Occupational Safety and Health Administration (OAR-437, 1926.1101 Asbestos)
2. Department of Environmental Quality (OAR-340, Division 248)

## **LEAD-CONTAINING PAINT**

### **Lead Paint Summary**

Paint chip samples were collected from representative interior and exterior painted building components. The samples represent the facility's major painted building components. The samples were submitted to NVL Laboratories, Inc. in Seattle, Washington (AIHA #101861) and analyzed for lead content by atomic absorption.

Laboratory analytical results indicated the presence of lead in none of the 6 paint-chip samples collected, with all concentrations measured at non-detect levels. Refer to the attached lead sample inventory for additional details regarding sample locations and laboratory analytical results. For reference, the Environmental Protection Agency (EPA) uses 5,000 ppm as the threshold limit for the definition of lead-based paint. Under OSHA, any amount of lead triggers the OSHA Lead in Construction Standard. Lead safe work practices should always be employed when impacting paint that contains lead in any concentration.

### **Disposal**

According to Oregon DEQ's Hazardous Waste/Toxics Reduction Policy Clarification, disposal of building demolition waste coated with lead-based paint generally will not require a hazardous waste determination (i.e., toxicity characteristic leaching procedures [TCLP] testing) if demolition debris is disposed of at a DEQ-permitted solid waste landfill that meets the current design standards for municipal solid waste disposal facilities of 40 CFR Part 258.

Refer to the DEQ hazardous waste reduction policy and follow all requirements under the Oregon DEQ, Management of Building Demolition Waste, 97-002A for proper disposal of lead-based painted demolition waste.

This report is not suitable as a bid document or an asbestos abatement design. The purpose of this report is risk hazard communication only.

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
52698.013-0001	Gypsum Wallboard/Joint Compound	E0001 exterior, south		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Thin layer of white compacted powdery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	White chalky material with paper		No Asbestos Detected
52698.013-0002	Gypsum Wallboard/Joint Compound	North of V0004		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Thin layer of white compacted powdery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	White chalky material with paper		No Asbestos Detected
52698.013-0003	Gypsum Wallboard/Joint Compound	Mechanical/Electrical 0040		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> White compacted powdery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	White chalky material with tan/blue paper		No Asbestos Detected
52698.013-0004	Gypsum Wallboard/Joint Compound	Basement, southeast room		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> White compacted powdery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	White chalky material with tan/blue paper		No Asbestos Detected
52698.013-0005	Gypsum Wallboard/Joint Compound	Basement, southeast		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Thin layer of white compacted powdery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	White chalky material with tan/blue paper		No Asbestos Detected
52698.013-0006	Ducting Sealant	On ducting in basement, west		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray soft rubbery material		<b>Analysis:</b> No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
52698.013-0007	Ducting Sealant	On ducting in basement, west of center		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Beige/gray soft rubbery material	No Asbestos Detected
52698.013-0008	Ducting Sealant	On ducting in basement, center		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Beige soft rubbery material	No Asbestos Detected
52698.013-0009	Ducting Sealant	On ducting in basement, east of center		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Beige/gray soft rubbery material	No Asbestos Detected
52698.013-0010	Firestop Mastic	044 along door edge		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Red soft material with gray sandy material	No Asbestos Detected
52698.013-0011	Firestop Mastic	Basement, along ceiling		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Red soft brittle material with fibers debris	No Asbestos Detected
52698.013-0012	Firestop Mastic	0061, northwest corner		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Red soft material with fibers debris	No Asbestos Detected
52698.013-0013	Covebase/Mastic	S0004		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Beige rubbery material	No Asbestos Detected
		Layer 2	White brittle mastic with paint	No Asbestos Detected
52698.013-0014	Gasket	Basement, north		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Green fibrous crumbly material	No Asbestos Detected
52698.013-0015	Gasket	Mechanical/Electrical 0040		NVL Labs, Inc.
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	Green fibrous crumbly material	No Asbestos Detected



<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
52698.013-0016	Gasket	Basement, northeast		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Green fibrous crumbly material with paper	<b>Analysis:</b> No Asbestos Detected
52698.013-0017	Footing Mastic	1108 under floating floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Tan soft rubbery material	<b>Analysis:</b> No Asbestos Detected
52698.013-0018	Rubber Flooring Mat	1108		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Gray/black rubbery material with cream spots	<b>Analysis:</b> No Asbestos Detected
52698.013-0019	Rubber Flooring Mat	Server Room 1108A		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Gray/black rubbery material with cream spots	<b>Analysis:</b> No Asbestos Detected
52698.013-0020	Footing Mastic	1098		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Tan soft rubbery material	<b>Analysis:</b> No Asbestos Detected
52698.013-0021	Footing Mastic	1094		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Tan soft rubbery material	<b>Analysis:</b> No Asbestos Detected
52698.013-0022	Covebase/Mastic	1108		NVL Labs, Inc.
		<b>Layer:</b> Layer 1 Layer 2	<b>Description:</b> Black rubbery material Tan brittle mastic with tan/blue paper and paint	<b>Analysis:</b> No Asbestos Detected No Asbestos Detected
52698.013-0023	Covebase/Mastic	Server Room off of 1108		NVL Labs, Inc.
		<b>Layer:</b> Layer 1 Layer 2	<b>Description:</b> Black rubbery material Tan brittle mastic with blue paper piece and paint	<b>Analysis:</b> No Asbestos Detected No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
52698.013-0024	Carpet/Mastic	H1000E		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray fibrous material with beige brittle material and tan mastic		<b>Analysis:</b> No Asbestos Detected
52698.013-0025	Carpet/Mastic	1115		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray woven fibrous material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	Beige soft brittle material with tan soft mastic		No Asbestos Detected
52698.013-0026	Carpet/Mastic	1091		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray woven fibrous material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	Beige soft brittle material with tan soft mastic		No Asbestos Detected
52698.013-0027	Covebase/Mastic	1095		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Tan rubbery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	Tan brittle mastic with paper and paint		No Asbestos Detected
52698.013-0028	Covebase/Mastic	1140		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Gray/black rubbery material with cream spots		<b>Analysis:</b> No Asbestos Detected
52698.013-0029	Covebase/Mastic	1172		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Black rubbery material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	Tan brittle mastic with chalky material paper and paint		No Asbestos Detected
52698.013-0030	Sink Undercoating	1144		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Black asphaltic crumbly material		<b>Analysis:</b> No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
52698.013-0031	Lay-in Ceiling Tile	1108, center		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture paint	No Asbestos Detected	
52698.013-0032	Lay-in Ceiling Tile	Janitor's closet, 2120		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture and white paint	No Asbestos Detected	
52698.013-0033	Lay-in Ceiling Tile	Faculty 2077, center		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture paint	No Asbestos Detected	
52698.013-0034	Lay-in Ceiling Tile	3112, center		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture paint	No Asbestos Detected	
52698.013-0035	Lay-in Ceiling Tile	3049, center		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture paint and white paint	No Asbestos Detected	
52698.013-0036	Lay-in Ceiling Tile	4107, center		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige fibrous material with beige texture paint	No Asbestos Detected	
52698.013-0037	Covebase/Mastic	H2000H		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Tan rubbery material	No Asbestos Detected	
	Layer 2	Tan brittle mastic with paint and fibers debris	No Asbestos Detected	
52698.013-0038	Covebase/Mastic	S4003		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Tan rubbery material	No Asbestos Detected	
	Layer 2	Tan brittle mastic with paint and fibers debris	No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
52698.013-0039	Carpet/Mastic	H2000H		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray woven fibrous material		<b>Analysis:</b> No Asbestos Detected
		Layer 2	Beige soft brittle material with tan soft mastic		No Asbestos Detected
52698.013-0040	Carpet/Mastic	H2000H		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige/gray woven fibrous material with tan soft backing		<b>Analysis:</b> No Asbestos Detected
52698.013-0041	Duct Sealant	H1070		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material with debris		<b>Analysis:</b> No Asbestos Detected
52698.013-0042	Duct Sealant	2120		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material		<b>Analysis:</b> No Asbestos Detected
52698.013-0043	Duct Sealant	H3000E, center		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material		<b>Analysis:</b> No Asbestos Detected
52698.013-0044	Duct Sealant	H3000K, junction		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material		<b>Analysis:</b> No Asbestos Detected
52698.013-0045	Duct Sealant	H4000G		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material		<b>Analysis:</b> No Asbestos Detected
52698.013-0046	Duct Sealant	H2000B, center		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Pale gray rubbery material		<b>Analysis:</b> No Asbestos Detected
52698.013-0047	Fireproofing	4130, center		NVL Labs, Inc.	
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white crumbly material		<b>Analysis:</b> No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
52698.013-0048	Fireproofing	4125, center		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white crumbly material	<b>Analysis:</b> No Asbestos Detected
52698.013-0049	Fireproofing	4118		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white crumbly material	<b>Analysis:</b> No Asbestos Detected
52698.013-0050	Fireproofing	4085		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white crumbly material	<b>Analysis:</b> No Asbestos Detected
52698.013-0051	Footing Mastic	1148, under floating floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris	<b>Analysis:</b> No Asbestos Detected
52698.013-0052	Footing Mastic	2130, under floating floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris	<b>Analysis:</b> No Asbestos Detected
52698.013-0053	Footing Mastic	3114, under floating floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris	<b>Analysis:</b> No Asbestos Detected
52698.013-0054	Footing Mastic	4107, under floating floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris	<b>Analysis:</b> No Asbestos Detected
52698.013-0055	Lay-in Ceiling Tile	4118 on floor		NVL Labs, Inc.
		<b>Layer:</b> Layer 1	<b>Description:</b> Beige compressed fibrous material with paint	<b>Analysis:</b> No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
52698.013-0056	Lay-in Ceiling Tile	4089		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Beige compressed fibrous material with paint	No Asbestos Detected	
52698.013-0057	Window Sealant	North windows		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Black soft rubbery material	No Asbestos Detected	
52698.013-0058	Window Sealant	West windows		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Black soft rubbery material	No Asbestos Detected	
52698.013-0059	Window Sealant	South windows		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Black soft rubbery material with debris	No Asbestos Detected	
52698.013-0060	Expansion Joint Sealant	Exterior, north		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Dark gray soft rubbery material	No Asbestos Detected	
52698.013-0061	Expansion Joint Sealant	Exterior, east		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Dark gray soft rubbery material with debris	No Asbestos Detected	
52698.013-0062	Brick/Mortar	Exterior, north		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Red ceramic material	No Asbestos Detected	
	Layer 2	Beige brittle material	No Asbestos Detected	
52698.013-0063	Brick/Mortar	Exterior, south		NVL Labs, Inc.
	<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>	
	Layer 1	Red ceramic material	No Asbestos Detected	
	Layer 2	Beige brittle material	No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
52698.013-0064	Concrete/Sealant	Main Entrance pillars		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Beige brittle material with debris		No Asbestos Detected
		Layer 2	White soft rubbery material with debris	No Asbestos Detected	
52698.013-0065	Concrete/Sealant	Main Entrance pillars		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Beige brittle material		No Asbestos Detected
		Layer 2	White soft rubbery material with debris	No Asbestos Detected	
52698.013-0066	Built-up Roofing	4th floor roof, west center			
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Black asphaltic fibrous built-up material with granules and white coating material		No Asbestos Detected
		Layer 2	Tan fibrous material		No Asbestos Detected
		Layer 3	Yellow foamy material	No Asbestos Detected	
52698.013-0067	Built-up Roofing	4th floor roof, southeast corner		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Black asphaltic fibrous built-up material with granules and white coating material		No Asbestos Detected
		Layer 2	Tan fibrous material		No Asbestos Detected
		Layer 3	Black asphaltic mastic		No Asbestos Detected
		Layer 4	Yellow foamy material	No Asbestos Detected	
52698.013-0068	Built-up Roofing	5th floor roof, center		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Black asphaltic fibrous built-up material with granules and white coating material		No Asbestos Detected
		Layer 2	Tan fibrous material		No Asbestos Detected
		Layer 3	Black asphaltic mastic		No Asbestos Detected
		Layer 4	Yellow foamy material	No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
52698.013-0069	Built-up Roofing	5th floor north roof, center		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	Black asphaltic fibrous built-up material with granules and white coating material		No Asbestos Detected
		Layer 2	Tan fibrous material		No Asbestos Detected
		Layer 3	Black asphaltic mastic		No Asbestos Detected
Layer 4	Yellow foamy material	No Asbestos Detected			
52698.013-0070	Mortar	H100A, at West wall		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
Layer 1	Gray cementitious material	No Asbestos Detected			
52698.013-0071	Mortar	1138 Lounge, at North wall		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
Layer 1	Gray cementitious material	No Asbestos Detected			
52698.013-0072	Mortar	B2001, at staircase transition		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
Layer 1	Gray cementitious material	No Asbestos Detected			
52698.013-0073	Mortar	B3002, at staircase transition		NVL Labs, Inc.	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
Layer 1	Gray cementitious material	No Asbestos Detected			



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<b><u>Code</u></b>	<b><u>Material</u></b>	<b><u>Analysis</u></b>	<b><u>Location</u></b>	<b><u>Lab</u></b>
<b>PAINT</b>				
LB52698.013-1001	Paint, white	<53 ppm	Wall, 1108 storage, on gypsum substrate	NVL Labs, Inc.
LB52698.013-1002	Paint, white	<51 ppm	Doorframe, 1108 storage, on metal substrate	NVL Labs, Inc.
LB52698.013-1003	Paint, beige	<55 ppm	Wall, S2002 stairwell, on gypsum substrate	NVL Labs, Inc.
LB52698.013-1004	Paint, grey	<53 ppm	Metal support, S2002 stairwell, on metal substrate	NVL Labs, Inc.
LB52698.013-1005	Paint, white	<52 ppm	Door, 1116 telephone, on metal substrate	NVL Labs, Inc.
LB52698.013-1006	Paint, red	<53 ppm	Wall, H300C, on gypsum substrate	NVL Labs, Inc.

April 11, 2023



Kennedy Potts  
PBS Environmental - Eugene  
3500 Chad Drive Suite 100  
Eugene, OR 97408

**RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2305582.00**

Client Project: 52698.013 Phase 0001  
Location: OSU Kelley Engineering Center

Dear Ms. Potts,

Enclosed please find test results for the 39 sample(s) submitted to our laboratory for analysis on 4/7/2023.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Munaf Khan".

Munaf Khan, Laboratory Director

The logo for NVL LABS, featuring the letters "NVL LABS" in a stylized, outlined font.

Testing

Lab Code: 102063-0

Enc.: Sample Results

**Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)**  
**4708 Aurora Avenue North | Seattle, WA 98103-6516**



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

**Lab ID: 23034029      Client Sample #: 52698.013-0001**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Thin layer of white compacted powdery material	Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>	
		Calcareous binder, Fine particles	Cellulose <1%		<b>None Detected ND</b>
<b>Layer 2 of 2</b>	<b>Description:</b> White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>	
		Fine particles, Gypsum/Binder	Cellulose 18%		<b>None Detected ND</b>
			Glass fibers 3%		

**Lab ID: 23034030      Client Sample #: 52698.013-0002**


Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Thin layer of white compacted powdery material	Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>	
		Calcareous binder, Fine particles	Cellulose 1%		<b>None Detected ND</b>
<b>Layer 2 of 2</b>	<b>Description:</b> White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>	
		Fine particles, Gypsum/Binder	Cellulose 16%		<b>None Detected ND</b>
			Glass fibers 4%		

**Lab ID: 23034031      Client Sample #: 52698.013-0003**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> White compacted powdery material	Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
		Calcareous binder, Fine particles	Cellulose 1%	

<b>Sampled by:</b> Client		
<b>Analyzed by:</b> Muhammad Yousuf	<b>Date:</b> 04/11/2023	 Munaf Khan, Laboratory Director
<b>Reviewed by:</b> Munaf Khan	<b>Date:</b> 04/11/2023	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**  
 Project Location: OSU Kelley Engineering Center

**Layer 2 of 2**      **Description:** White chalky material with tan/blue paper

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Gypsum/Binder	Cellulose 19%	
	Glass fibers 3%	

**Lab ID: 23034032**      **Client Sample #: 52698.013-0004**

Location: OSU Kelley Engineering Center

**Layer 1 of 2**      **Description:** White compacted powdery material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Calcareous binder, Fine particles	Cellulose <1%	

**Layer 2 of 2**      **Description:** White chalky material with tan/blue paper

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Gypsum/Binder	Cellulose 21%	
	Glass fibers 3%	

**Lab ID: 23034033**      **Client Sample #: 52698.013-0005**

Location: OSU Kelley Engineering Center

**Layer 1 of 2**      **Description:** Thin layer of white compacted powdery material


Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Calcareous binder, Fine particles	Cellulose <1%	

**Layer 2 of 2**      **Description:** White chalky material with tan/blue paper

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Gypsum/Binder	Cellulose 24%	
	Glass fibers 2%	

**Lab ID: 23034034**      **Client Sample #: 52698.013-0006**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client	 _____ Munaf Khan, Laboratory Director
<b>Analyzed by:</b> Muhammad Yousuf	
<b>Reviewed by:</b> Munaf Khan	

**Date:** 04/11/2023

**Date:** 04/11/2023

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige/gray soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	Cellulose 4%		<b>None Detected ND</b>

**Lab ID: 23034035**      **Client Sample #: 52698.013-0007**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige/gray soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	Cellulose 3%		<b>None Detected ND</b>

**Lab ID: 23034036**      **Client Sample #: 52698.013-0008**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	Cellulose 4%		<b>None Detected ND</b>

**Lab ID: 23034037**      **Client Sample #: 52698.013-0009**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige/gray soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	Cellulose 3%		<b>None Detected ND</b>

**Lab ID: 23034038**      **Client Sample #: 52698.013-0010**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Red soft material with gray sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder, Mineral grains	Glass fibers 14%		<b>None Detected ND</b>
		Cellulose 2%		

**Sampled by:** Client

**Analyzed by:** Muhammad Yousuf

**Reviewed by:** Munaf Khan

**Date:** 04/11/2023

**Date:** 04/11/2023

Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

**Lab ID: 23034039      Client Sample #: 52698.013-0011**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Red soft brittle material with fibers debris

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Rubber/Binder, Mica	Cellulose    7%	
Debris	Synthetic fibers    1%	

**Lab ID: 23034040      Client Sample #: 52698.013-0012**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Red soft material with fibers debris

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Rubber/Binder, Mica	Glass fibers    16%	
Debris	Cellulose      6%	
	Synthetic fibers    1%	

**Lab ID: 23034041      Client Sample #: 52698.013-0013**

Location: OSU Kelley Engineering Center

**Layer 1 of 2      Description:** Beige rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Rubber/Synthetic Binder	None Detected    ND	

**Layer 2 of 2      Description:** White brittle mastic with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Mastic/Binder, Paint	Cellulose      2%	

**Lab ID: 23034042      Client Sample #: 52698.013-0014**

Location: OSU Kelley Engineering Center

**Sampled by:** Client

**Analyzed by:** Muhammad Yousuf

**Reviewed by:** Munaf Khan

**Date:** 04/11/2023

**Date:** 04/11/2023

Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Green fibrous crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Cellulose 18%		<b>None Detected ND</b>
		Synthetic fibers 13%		
		Wollastonite 6%		

**Lab ID: 23034043**      **Client Sample #: 52698.013-0015**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Green fibrous crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Cellulose 17%		<b>None Detected ND</b>
		Synthetic fibers 14%		
		Wollastonite 4%		

**Lab ID: 23034044**      **Client Sample #: 52698.013-0016**


Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Green fibrous crumbly material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Cellulose 22%		<b>None Detected ND</b>
		Synthetic fibers 9%		
		Wollastonite 7%		

**Lab ID: 23034045**      **Client Sample #: 52698.013-0017**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Tan soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	Cellulose 1%		<b>None Detected ND</b>

<p><b>Sampled by:</b> Client</p> <p><b>Analyzed by:</b> Muhammad Yousuf</p> <p><b>Reviewed by:</b> Munaf Khan</p>	<p><b>Date:</b> 04/11/2023</p> <p><b>Date:</b> 04/11/2023</p>	 <p>Munaf Khan, Laboratory Director</p>
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Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305582.00**  
 Client Project #: 52698.013 Phase 0001  
 Date Received: 4/7/2023  
 Samples Received: 39  
 Samples Analyzed: 39  
 Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**  
 Project Location: OSU Kelley Engineering Center

**Lab ID: 23034046      Client Sample #: 52698.013-0018**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Gray/black rubbery material with cream spots

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Fine particles, Rubber/Binder	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23034047      Client Sample #: 52698.013-0019**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Gray/black rubbery material with cream spots

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Fine particles, Rubber/Binder	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23034048      Client Sample #: 52698.013-0020**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Tan soft rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Fine particles, Rubber/Binder	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23034049      Client Sample #: 52698.013-0021**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Tan soft rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Fine particles, Rubber/Binder	Cellulose <1%	<b>None Detected ND</b>

**Lab ID: 23034050      Client Sample #: 52698.013-0022**

Location: OSU Kelley Engineering Center

**Layer 1 of 2      Description:** Black rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Fine particles, Rubber/Synthetic Binder	None Detected    ND	<b>None Detected ND</b>

<b>Sampled by:</b> Client		
<b>Analyzed by:</b> Muhammad Yousuf	<b>Date:</b> 04/11/2023	
<b>Reviewed by:</b> Munaf Khan	<b>Date:</b> 04/11/2023	Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government





# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 2 of 2</b>	<b>Description:</b> Tan brittle mastic with tan/blue paper and paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Mastic/Binder, Paint	Cellulose 16%		<b>None Detected ND</b>

**Lab ID: 23034051**      **Client Sample #: 52698.013-0023**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Black rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Synthetic Binder	None Detected ND		<b>None Detected ND</b>

<b>Layer 2 of 2</b>	<b>Description:</b> Tan brittle mastic with blue paper piece and paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Mastic/Binder, Paint	Cellulose 8%		<b>None Detected ND</b>

**Lab ID: 23034052**      **Client Sample #: 52698.013-0024**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige/gray fibrous material with beige brittle material and tan mastic			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Mastic/Binder, Fine grains	Synthetic fibers 45%		<b>None Detected ND</b>
	Rubber/Binder	Glass fibers 14%		
		Cellulose 2%		

**Lab ID: 23034053**      **Client Sample #: 52698.013-0025**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Beige/gray woven fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Synthetic fibers 86%		<b>None Detected ND</b>

**Sampled by:** Client

**Analyzed by:** Muhammad Yousuf

**Reviewed by:** Munaf Khan

**Date:** 04/11/2023

**Date:** 04/11/2023

Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government





# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Gray/black rubbery material with cream spots			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Binder	None Detected	ND	<b>None Detected ND</b>

**Lab ID: 23034057**      **Client Sample #: 52698.013-0029**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Black rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Rubber/Synthetic Binder	None Detected	ND	<b>None Detected ND</b>

<b>Layer 2 of 2</b>	<b>Description:</b> Tan brittle mastic with chalky material ,paper and paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Mastic/Binder, Paint	Cellulose	12%	<b>None Detected ND</b>

**Lab ID: 23034058**      **Client Sample #: 52698.013-0030**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Black asphaltic crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Asphalt/Binder, Asphaltic Particles	Cellulose	9%	<b>None Detected ND</b>


**Lab ID: 23034059**      **Client Sample #: 52698.013-0031**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige fibrous material with beige texture paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Paint, Binder/Filler, Fine particles	Cellulose	48%	<b>None Detected ND</b>
	Fine grains, Perlite, Glass beads	Glass fibers	14%	

**Lab ID: 23034060**      **Client Sample #: 52698.013-0032**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client		
<b>Analyzed by:</b> Muhammad Yousuf	<b>Date:</b> 04/11/2023	 Munaf Khan, Laboratory Director
<b>Reviewed by:</b> Munaf Khan	<b>Date:</b> 04/11/2023	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige fibrous material with beige texture and white paint			<b>Asbestos Type: %</b>
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>None Detected ND</b>
	Paint, Binder/Filler, Fine particles	Cellulose 46%		
	Fine grains, Perlite, Glass beads	Glass fibers 13%		

**Lab ID: 23034061**      **Client Sample #: 52698.013-0033**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige fibrous material with beige texture paint			<b>Asbestos Type: %</b>
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>None Detected ND</b>
	Paint, Binder/Filler, Fine particles	Cellulose 49%		
	Fine grains, Perlite, Glass beads	Glass fibers 14%		

**Lab ID: 23034062**      **Client Sample #: 52698.013-0034**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige fibrous material with beige texture paint			<b>Asbestos Type: %</b>
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>None Detected ND</b>
	Paint, Binder/Filler, Fine particles	Cellulose 49%		
	Fine grains, Perlite, Glass beads	Glass fibers 12%		


**Lab ID: 23034063**      **Client Sample #: 52698.013-0035**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Beige fibrous material with beige texture paint and white paint			<b>Asbestos Type: %</b>
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>None Detected ND</b>
	Paint, Binder/Filler, Fine particles	Cellulose 46%		
	Fine grains, Perlite, Glass beads	Glass fibers 13%		

**Lab ID: 23034064**      **Client Sample #: 52698.013-0036**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client		
<b>Analyzed by:</b> Muhammad Yousuf	<b>Date:</b> 04/11/2023	
<b>Reviewed by:</b> Munaf Khan	<b>Date:</b> 04/11/2023	Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39

Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**  
 Project Location: OSU Kelley Engineering Center

**Layer 1 of 1**      **Description:** Beige fibrous material with beige texture paint

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Paint, Binder/Filler, Fine particles	Cellulose 50%	
Fine grains, Perlite	Glass fibers 11%	

**Lab ID: 23034065**      **Client Sample #: 52698.013-0037**

Location: OSU Kelley Engineering Center

**Layer 1 of 2**      **Description:** Tan rubbery material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Rubber/Synthetic Binder	None Detected ND	

**Layer 2 of 2**      **Description:** Tan brittle mastic with paint and fibers debris

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Mastic/Binder, Paint	Cellulose 6%	
Insect parts		

**Lab ID: 23034066**      **Client Sample #: 52698.013-0038**

Location: OSU Kelley Engineering Center

**Layer 1 of 2**      **Description:** Tan rubbery material


Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Rubber/Synthetic Binder	None Detected ND	

**Layer 2 of 2**      **Description:** Tan brittle mastic with paint and fibers debris

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
Fine particles, Mastic/Binder, Paint	Cellulose 8%	

**Lab ID: 23034067**      **Client Sample #: 52698.013-0039**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client	 _____ Munaf Khan, Laboratory Director
<b>Analyzed by:</b> Muhammad Yousuf	
<b>Reviewed by:</b> Munaf Khan	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305582.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 39


Samples Analyzed: 39

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Beige/gray woven fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Synthetic fibers 87%		<b>None Detected ND</b>
<b>Layer 2 of 2</b>	<b>Description:</b> Beige soft brittle material with tan soft mastic			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Fine particles, Mastic/Binder, Rubber/Binder	Glass fibers 17%		<b>None Detected ND</b>
		Cellulose 1%		

<b>Sampled by:</b> Client		
<b>Analyzed by:</b> Muhammad Yousuf	<b>Date:</b> 04/11/2023	
<b>Reviewed by:</b> Munaf Khan	<b>Date:</b> 04/11/2023	Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> 2305582.00
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

<b>Project Name/Number:</b> 52698.013 Phase 0001	<b>Project Location:</b> OSU Kelley Engineering Center
--	--

**Subcategory** PLM Bulk

**Item Code** ASB-02      EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 39      **Rush Samples**

Lab ID	Sample ID	Description	A/R
1	23034029	52698.013-0001	A
2	23034030	52698.013-0002	A
3	23034031	52698.013-0003	A
4	23034032	52698.013-0004	A
5	23034033	52698.013-0005	A
6	23034034	52698.013-0006	A
7	23034035	52698.013-0007	A
8	23034036	52698.013-0008	A
9	23034037	52698.013-0009	A
10	23034038	52698.013-0010	A
11	23034039	52698.013-0011	A
12	23034040	52698.013-0012	A
13	23034041	52698.013-0013	A
14	23034042	52698.013-0014	A
15	23034043	52698.013-0015	A
16	23034044	52698.013-0016	A
17	23034045	52698.013-0017	A
18	23034046	52698.013-0018	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Muhammad Yousuf		NVL	4/11/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/7/2023  
 Time: 11:34 AM  
 Entered By: Kelly AuVu

# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2305582.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

<b>Project Name/Number:</b> 52698.013 Phase 0001	<b>Project Location:</b> OSU Kelley Engineering Center
--	--

**Subcategory** PLM Bulk

**Item Code** ASB-02      EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 39      **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
19	23034047	52698.013-0019	A
20	23034048	52698.013-0020	A
21	23034049	52698.013-0021	A
22	23034050	52698.013-0022	A
23	23034051	52698.013-0023	A
24	23034052	52698.013-0024	A
25	23034053	52698.013-0025	A
26	23034054	52698.013-0026	A
27	23034055	52698.013-0027	A
28	23034056	52698.013-0028	A
29	23034057	52698.013-0029	A
30	23034058	52698.013-0030	A
31	23034059	52698.013-0031	A
32	23034060	52698.013-0032	A
33	23034061	52698.013-0033	A
34	23034062	52698.013-0034	A
35	23034063	52698.013-0035	A
36	23034064	52698.013-0036	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Muhammad Yousuf		NVL	4/11/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/7/2023  
 Time: 11:34 AM  
 Entered By: Kelly AuVu



# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2305582.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

**Project Name/Number:** 52698.013 Phase 0001 **Project Location:** OSU Kelley Engineering Center

**Subcategory** PLM Bulk  
**Item Code** ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 39 **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
37	23034065	52698.013-0037	A
38	23034066	52698.013-0038	A
39	23034067	52698.013-0039	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

Office Use Only	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Muhammad Yousuf		NVL	4/11/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/7/2023  
 Time: 11:34 AM  
 Entered By: Kelly AuVu



2305582

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 52698.013 Phase 0001 OSU - Kelley Engineering Center

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: April 06, 2023

PBS Engineering and Environmental Inc.
3500 Chad Drive, Suite 100
Eugene, OR 97408
541.686.8684, Fax: 866.727.0140

Kennedy Potts
Name

Kennedy Potts 4/6/23 12:30
Authorized Signature Date Time

RECEIVER

Date Received: 4/7/23

Company: NVL Labs, Inc.
Address: 4708 Aurora Ave. North
Seattle, WA 98103
(206)547-0100

Kelly Kelly
Name

[Signature] 4/7/23 9:10 AM
Authorized Signature Date Time

Table with 3 columns: Sender's ID No., Brief Description, Receiver's ID No. Rows 1-14.

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

52698.013-0015		
52698.013-0016		
52698.013-0017		
52698.013-0018		
52698.013-0019		
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52698.013-0021		
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52698.013-0032		
52698.013-0033		
52698.013-0034		
52698.013-0035		
52698.013-0036		
52698.013-0037		
52698.013-0038		
52698.013-0039		

April 11, 2023



Kennedy Potts  
PBS Environmental - Eugene  
3500 Chad Drive Suite 100  
Eugene, OR 97408

**RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2305583.00**

Client Project: 52698.013 Phase 0001  
Location: OSU Kelley Engineering Center

Dear Ms. Potts,

Enclosed please find test results for the 26 sample(s) submitted to our laboratory for analysis on 4/7/2023.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

The logo for NVL LABS, featuring the letters "NVL" in a large, outlined, sans-serif font, with "LABS" in a smaller, outlined, sans-serif font to its right.

Testing

Lab Code: 102063-0

Enc.: Sample Results

**Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)**  
**4708 Aurora Avenue North | Seattle, WA 98103-6516**



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

**Lab ID: 23034068      Client Sample #: 52698.013-0040**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Beige/gray woven fibrous material with tan soft backing

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles	Synthetic fibers 65%	
	Glass fibers 3%	

**None Detected ND**

**Lab ID: 23034069      Client Sample #: 52698.013-0041**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Pale gray rubbery material with debris

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles, Debris	None Detected ND	

**None Detected ND**

**Lab ID: 23034070      Client Sample #: 52698.013-0042**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Pale gray rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles	None Detected ND	

**None Detected ND**

**Lab ID: 23034071      Client Sample #: 52698.013-0043**

Location: OSU Kelley Engineering Center


**Layer 1 of 1      Description:** Pale gray rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles	Cellulose <1%	

**None Detected ND**

**Lab ID: 23034072      Client Sample #: 52698.013-0044**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client	 _____ Nick Ly, Technical Director
<b>Analyzed by:</b> Hilary Crumley	
<b>Reviewed by:</b> Nick Ly	
<b>Date:</b> 04/11/2023	
<b>Date:</b> 04/11/2023	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Pale gray rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034073 Client Sample #: 52698.013-0045**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Pale gray rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Cellulose <1%		<b>None Detected ND</b>

**Lab ID: 23034074 Client Sample #: 52698.013-0046**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Pale gray rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034075 Client Sample #: 52698.013-0047**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Synthetic foam	Cellulose 14%		<b>None Detected ND</b>


**Lab ID: 23034076 Client Sample #: 52698.013-0048**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Synthetic foam	Cellulose 12%		<b>None Detected ND</b>

**Lab ID: 23034077 Client Sample #: 52698.013-0049**

Location: OSU Kelley Engineering Center

<b>Sampled by:</b> Client			
<b>Analyzed by:</b> Hilary Crumley	<b>Date:</b> 04/11/2023		
<b>Reviewed by:</b> Nick Ly	<b>Date:</b> 04/11/2023	Nick Ly, Technical Director	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Synthetic foam	Cellulose 15%		<b>None Detected ND</b>

**Lab ID: 23034078      Client Sample #: 52698.013-0050**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Synthetic foam	Cellulose 13%		<b>None Detected ND</b>

**Lab ID: 23034079      Client Sample #: 52698.013-0051**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	Cellulose <1%		<b>None Detected ND</b>

**Lab ID: 23034080      Client Sample #: 52698.013-0052**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034081      Client Sample #: 52698.013-0053**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Off-white soft rubbery material with clear rubbery material and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	Cellulose <1%		<b>None Detected ND</b>
		Synthetic fibers <1%		

**Sampled by:** Client

**Analyzed by:** Hilary Crumley

**Reviewed by:** Nick Ly

**Date:** 04/11/2023

**Date:** 04/11/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

**Lab ID: 23034082      Client Sample #: 52698.013-0054**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Off-white soft rubbery material with clear rubbery material and debris

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles, Debris	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23034083      Client Sample #: 52698.013-0055**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Beige compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles, Perlite	Cellulose    71%	<b>None Detected ND</b>
Glass debris, Mineral grains, Paint	Glass fibers    10%	

**Lab ID: 23034084      Client Sample #: 52698.013-0056**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Beige compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles, Perlite	Cellulose    68%	<b>None Detected ND</b>
Glass debris, Paint, Mineral grains	Glass fibers    12%	

**Lab ID: 23034085      Client Sample #: 52698.013-0057**

Location: OSU Kelley Engineering Center

**Layer 1 of 1      Description:** Black soft rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Binder/Filler, Fine particles	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23034086      Client Sample #: 52698.013-0058**

Location: OSU Kelley Engineering Center

**Sampled by:** Client

**Analyzed by:** Hilary Crumley

**Reviewed by:** Nick Ly

**Date:** 04/11/2023

**Date:** 04/11/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government





# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Black soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	Cellulose <1%		<b>None Detected ND</b>

**Lab ID: 23034087**      **Client Sample #: 52698.013-0059**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Black soft rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034088**      **Client Sample #: 52698.013-0060**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Dark gray soft rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034089**      **Client Sample #: 52698.013-0061**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 1</b>	<b>Description:</b> Dark gray soft rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	None Detected ND		<b>None Detected ND</b>

**Lab ID: 23034090**      **Client Sample #: 52698.013-0062**

Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Red ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Ceramic/Binder, Fine particles, Fine grains	None Detected ND		<b>None Detected ND</b>

**Sampled by:** Client

**Analyzed by:** Hilary Crumley

**Reviewed by:** Nick Ly

**Date:** 04/11/2023

**Date:** 04/11/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government





# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2305583.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/7/2023

Samples Received: 26

Samples Analyzed: 26

Method: EPA/600/R-93/116

**Attention: Ms. Kennedy Potts**

Project Location: OSU Kelley Engineering Center

<b>Layer 1 of 2</b>	<b>Description:</b> Beige brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Mineral grains	None Detected ND		<b>None Detected ND</b>
<b>Layer 2 of 2</b>	<b>Description:</b> White soft rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %		<b>Asbestos Type: %</b>
	Binder/Filler, Fine particles, Debris	None Detected ND		<b>None Detected ND</b>

**Sampled by:** Client

**Analyzed by:** Hilary Crumley

**Reviewed by:** Nick Ly

**Date:** 04/11/2023

**Date:** 04/11/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2305583.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

<b>Project Name/Number:</b> 52698.013 Phase 0001	<b>Project Location:</b> OSU Kelley Engineering Center
--	--

**Subcategory** PLM Bulk

**Item Code** ASB-02      EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 26      **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
1	23034068	52698.013-0040	A
2	23034069	52698.013-0041	A
3	23034070	52698.013-0042	A
4	23034071	52698.013-0043	A
5	23034072	52698.013-0044	A
6	23034073	52698.013-0045	A
7	23034074	52698.013-0046	A
8	23034075	52698.013-0047	A
9	23034076	52698.013-0048	A
10	23034077	52698.013-0049	A
11	23034078	52698.013-0050	A
12	23034079	52698.013-0051	A
13	23034080	52698.013-0052	A
14	23034081	52698.013-0053	A
15	23034082	52698.013-0054	A
16	23034083	52698.013-0055	A
17	23034084	52698.013-0056	A
18	23034085	52698.013-0057	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Hilary Crumley		NVL	4/11/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/7/2023  
 Time: 11:36 AM  
 Entered By: Kelly AuVu

# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2305583.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

**Project Name/Number:** 52698.013 Phase 0001      **Project Location:** OSU Kelley Engineering Center

**Subcategory** PLM Bulk  
**Item Code** ASB-02      EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 26      **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
19	23034086	52698.013-0058	A
20	23034087	52698.013-0059	A
21	23034088	52698.013-0060	A
22	23034089	52698.013-0061	A
23	23034090	52698.013-0062	A
24	23034091	52698.013-0063	A
25	23034092	52698.013-0064	A
26	23034093	52698.013-0065	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

Office Use Only	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Hilary Crumley		NVL	4/11/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/7/2023  
 Time: 11:36 AM  
 Entered By: Kelly AuVu

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

52698.013-0040	_____	_____
52698.013-0041	_____	_____
52698.013-0042	_____	_____
52698.013-0043	_____	_____
52698.013-0044	_____	_____
52698.013-0045	_____	_____
52698.013-0046	_____	_____
52698.013-0047	_____	_____
52698.013-0048	_____	_____
52698.013-0049	_____	_____
52698.013-0050	_____	_____
52698.013-0051	_____	_____
52698.013-0052	_____	_____
52698.013-0053	_____	_____
52698.013-0054	_____	_____
52698.013-0055	_____	_____
52698.013-0056	_____	_____
52698.013-0057	_____	_____
52698.013-0058	_____	_____
52698.013-0059	_____	_____
52698.013-0060	_____	_____
52698.013-0061	_____	_____
52698.013-0062	_____	_____
52698.013-0063	_____	_____
52698.013-0064	_____	_____



2305583

**TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES**

52698.013-0065 \_\_\_\_\_

Please analyze the enclosed 65 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed.

Request verbal results by: \_\_\_\_\_ AM/PM \_\_\_\_\_ Date.

Please fax and mail the results to the above address.

**TURNAROUND DESIRED: 72 Hour**

**SPECIAL INSTRUCTIONS:**

**Please include results in electronic (csv) format.**

*Thank you!*

*Please email results to Kennedy.potts@pbsusa.com and aaron.lefore@pbsusa.com.*

May 2, 2023



Aaron Lefore  
PBS Environmental - Eugene  
3500 Chad Drive Suite 100  
Eugene, OR 97408

**RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2306919.00**

Client Project: 52698.013 Phase 0001  
Location: Kelley Engineering Building

Dear Mr. Lefore,

Enclosed please find test results for the 8 sample(s) submitted to our laboratory for analysis on 4/28/2023.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director



Testing

Lab Code: 102063-0

Enc.: Sample Results

**Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)**  
**4708 Aurora Avenue North | Seattle, WA 98103-6516**





# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2306919.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/28/2023

Samples Received: 8

Samples Analyzed: 8

Method: EPA/600/R-93/116

**Attention: Mr. Aaron Lefore**

Project Location: Kelley Engineering Building

**Lab ID: 23042800      Client Sample #: 52698.013-0066**

Location: Kelley Engineering Building

**Layer 1 of 3      Description:** Black asphaltic fibrous built-up material with granules and white coating material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
Asphalt/Binder, Granules, Fine grains	Glass fibers 42%	<b>None Detected ND</b>
Fine particles, Paint	Synthetic fibers 19%	
	Cellulose 4%	

**Layer 2 of 3      Description:** Tan fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
Binder/Filler, Wood flakes	Cellulose 97%	<b>None Detected ND</b>

**Layer 3 of 3      Description:** Yellow foamy material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
Binder/Filler, Synthetic foam	None Detected ND	<b>None Detected ND</b>

**Lab ID: 23042801      Client Sample #: 52698.013-0067**

Location: Kelley Engineering Building

**Layer 1 of 4      Description:** Black asphaltic fibrous built-up material with granules and white coating material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
Asphalt/Binder, Granules, Fine grains	Glass fibers 38%	<b>None Detected ND</b>
Fine particles, Paint	Synthetic fibers 24%	
	Cellulose 2%	

**Layer 2 of 4      Description:** Tan fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	<b>Asbestos Type: %</b>
Binder/Filler, Wood flakes	Cellulose 98%	<b>None Detected ND</b>

**Sampled by:** Client

**Analyzed by:** Akane Yoshikawa

**Reviewed by:** Nick Ly

**Date:** 05/02/2023

**Date:** 05/02/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2306919.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/28/2023

Samples Received: 8

Samples Analyzed: 8

Method: EPA/600/R-93/116

**Attention: Mr. Aaron Lefore**  
Project Location: Kelley Engineering Building

<b>Layer 3 of 4</b>	<b>Description:</b> Black asphaltic mastic	Non-Fibrous Materials: Asphalt/Binder, Fine particles	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 4 of 4</b>	<b>Description:</b> Yellow foamy material	Non-Fibrous Materials: Binder/Filler, Synthetic foam	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>


**Lab ID: 23042802 Client Sample #: 52698.013-0068**

Location: Kelley Engineering Building

<b>Layer 1 of 4</b>	<b>Description:</b> Black asphaltic fibrous built-up material with granules and white coating material	Non-Fibrous Materials: Asphalt/Binder, Granules, Fine grains Fine particles, Paint	Other Fibrous Materials:% Glass fibers 33% Synthetic fibers 19% Cellulose 4%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 2 of 4</b>	<b>Description:</b> Tan fibrous material	Non-Fibrous Materials: Binder/Filler, Wood flakes	Other Fibrous Materials:% Cellulose 98%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 3 of 4</b>	<b>Description:</b> Black asphaltic mastic	Non-Fibrous Materials: Asphalt/Binder, Fine particles	Other Fibrous Materials:% Cellulose 2%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 4 of 4</b>	<b>Description:</b> Yellow foamy material	Non-Fibrous Materials: Binder/Filler, Synthetic foam	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>

**Lab ID: 23042803 Client Sample #: 52698.013-0069**

Location: Kelley Engineering Building

<b>Sampled by:</b> Client	
<b>Analyzed by:</b> Akane Yoshikawa	
<b>Reviewed by:</b> Nick Ly	
<b>Date:</b> 05/02/2023	Nick Ly, Technical Director
<b>Date:</b> 05/02/2023	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2306919.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/28/2023

Samples Received: 8

Samples Analyzed: 8

Method: EPA/600/R-93/116

**Attention: Mr. Aaron Lefore**  
Project Location: Kelley Engineering Building

<b>Layer 1 of 4</b>	<b>Description:</b> Black asphaltic fibrous built-up material with granules and white coating material	Non-Fibrous Materials: Asphalt/Binder, Granules, Fine grains Fine particles, Paint	Other Fibrous Materials:% Synthetic fibers 21% Glass fibers 12% Cellulose 8%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 2 of 4</b>	<b>Description:</b> Tan fibrous material	Non-Fibrous Materials: Binder/Filler, Wood flakes	Other Fibrous Materials:% Cellulose 98%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 3 of 4</b>	<b>Description:</b> Black asphaltic mastic	Non-Fibrous Materials: Asphalt/Binder, Fine particles	Other Fibrous Materials:% Cellulose 4%	<b>Asbestos Type: %</b> <b>None Detected ND</b>
<b>Layer 4 of 4</b>	<b>Description:</b> Yellow foamy material	Non-Fibrous Materials: Binder/Filler, Synthetic foam	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>

**Lab ID: 23042804**      **Client Sample #: 52698.013-0070**

Location: Kelley Engineering Building

<b>Layer 1 of 1</b>	<b>Description:</b> Gray cementitious material	Non-Fibrous Materials: Cement/Binder, Fine grains, Cementitious particles	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>
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**Lab ID: 23042805**      **Client Sample #: 52698.013-0071**

Location: Kelley Engineering Building

<b>Layer 1 of 1</b>	<b>Description:</b> Gray cementitious material	Non-Fibrous Materials: Cement/Binder, Fine grains, Cementitious particles	Other Fibrous Materials:% None Detected ND	<b>Asbestos Type: %</b> <b>None Detected ND</b>
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**Sampled by:** Client

**Analyzed by:** Akane Yoshikawa

**Reviewed by:** Nick Ly

**Date:** 05/02/2023

**Date:** 05/02/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



# Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Eugene  
Address: 3500 Chad Drive Suite 100  
Eugene, OR 97408

**Batch #: 2306919.00**

Client Project #: 52698.013 Phase 0001

Date Received: 4/28/2023

Samples Received: 8

Samples Analyzed: 8

Method: EPA/600/R-93/116

**Attention: Mr. Aaron Lefore**

Project Location: Kelley Engineering Building

**Lab ID: 23042806      Client Sample #: 52698.013-0072**

Location: Kelley Engineering Building

**Layer 1 of 1      Description:** Gray cementitious material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Cement/Binder, Fine grains, Cementitious particles	None Detected    ND	<b>None Detected ND</b>

**Lab ID: 23042807      Client Sample #: 52698.013-0073**

Location: Kelley Engineering Building

**Layer 1 of 1      Description:** Gray cementitious material

Non-Fibrous Materials:	Other Fibrous Materials: %	<b>Asbestos Type: %</b>
Cement/Binder, Fine grains, Cementitious particles	None Detected    ND	<b>None Detected ND</b>

**Sampled by:** Client

**Analyzed by:** Akane Yoshikawa

**Reviewed by:** Nick Ly

**Date:** 05/02/2023

**Date:** 05/02/2023

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

# ASBESTOS LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2306919.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Mr. Aaron Lefore	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 5/3/2023 <b>Time</b> 12:00 PM
	<b>Email</b> aaron.lefore@pbsusa.com
	<b>Fax</b> (866) 727-0140

**Project Name/Number:** 52698.013 Phase 0001 **Project Location:** Kelley Engineering Building

**Subcategory** PLM Bulk  
**Item Code** ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

**Total Number of Samples** 8 **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
1	23042800	52698.013-0066	A
2	23042801	52698.013-0067	A
3	23042802	52698.013-0068	A
4	23042803	52698.013-0069	A
5	23042804	52698.013-0070	A
6	23042805	52698.013-0071	A
7	23042806	52698.013-0072	A
8	23042807	52698.013-0073	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

Office Use Only	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Fatima Khan		NVL	4/28/23	1200
<b>Analyzed by</b>	Akane Yoshikawa		NVL	5/2/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** Please include results in electronic (csv) format.

Date: 4/28/2023  
 Time: 1:19 PM  
 Entered By: Kelly AuVu



2306919

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 52698.013 Phase 0001 Kelley Engineering Building

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: April 27, 2023

PBS Engineering and Environmental Inc.
3500 Chad Drive, Suite 100
Eugene, OR 97408
541.686.8684, Fax: 866.727.0140

Aaron LeFore
Name

Authorized Signature Date Time
[Signature] 4/27/23 12:00

RECEIVER

Date Received: 4/28/23

Company:
Address:

Fahmathan
Name

Authorized Signature Date Time
[Signature] 4/28/23 12m FedEx

Table with 3 columns: Sender's ID No., Brief Description, Receiver's ID No. Rows 52698.013-0066 to 52698.013-0073.

Please analyze the enclosed 8 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed.

Request verbal results by: AM/PM Date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: 72 Hour

SPECIAL INSTRUCTIONS:

Please include results in electronic (csv) format.

please email Results to aaron.lefore@pbsusa.com Thanks!

April 10, 2023

Kennedy Potts

**PBS Environmental - Eugene**

3500 Chad Drive Suite 100

Eugene, OR 97408



**NVL Batch # 2305581.00**

**RE: Total Metal Analysis**  
**Method: EPA 7000B Lead by FAA <paint>**  
**Item Code: FAA-02**

Client Project: 52698.013 Phase 0001  
Location: OSU Kelley Engineering Center

Dear Ms. Potts,

NVL Labs received 6 sample(s) for the said project on 4/7/2023. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'Shalini Patel'.

Shalini Patel, Manager Metals Lab

Enc.: Sample results



Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)  
4708 Aurora Avenue North | Seattle, WA 98103-6516

# Analysis Report

## Total Lead (Pb)



Client: PBS Environmental - Eugene  
 Address: 3500 Chad Drive Suite 100  
 Eugene, OR 97408

**Batch #: 2305581.00**

Matrix: Paint  
 Method: EPA 3051/7000B  
 Client Project #: 52698.013 Phase 0001  
 Date Received: 4/7/2023  
 Samples Received: 6  
 Samples Analyzed: 6

**Attention: Ms. Kennedy Potts**  
 Project Location: OSU Kelley Engineering Center

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23034023	LB52698.013-1001	0.1874	53	< 53	<0.0053
23034024	LB52698.013-1002	0.1967	51	< 51	<0.0051
23034025	LB52698.013-1003	0.1811	55	< 55	<0.0055
23034026	LB52698.013-1004	0.1899	53	< 53	<0.0053
23034027	LB52698.013-1005	0.1913	52	< 52	<0.0052
23034028	LB52698.013-1006	0.1873	53	< 53	<0.0053


Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 04/10/2023

Date Issued: 04/10/2023

  
 Shalini Patel, Manager Metals Lab

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 2023-0410-04

FAA-02



# LEAD LABORATORY SERVICES



<b>Company</b> PBS Environmental - Eugene	<b>NVL Batch Number</b> <b>2305581.00</b>
<b>Address</b> 3500 Chad Drive Suite 100 Eugene, OR 97408	<b>TAT</b> 3 Days <b>AH</b> No
<b>Project Manager</b> Ms. Kennedy Potts	<b>Rush TAT</b>
<b>Phone</b> (541) 686-8684	<b>Due Date</b> 4/12/2023 <b>Time</b> 9:10 AM
	<b>Email</b> kennedy.potts@pbsusa.com
	<b>Fax</b> (866) 727-0140

**Project Name/Number:** 52698.013 Phase 0001      **Project Location:** OSU Kelley Engineering Center

**Subcategory** Flame AA (FAA)  
**Item Code** FAA-02      EPA 7000B Lead by FAA <paint>

**Total Number of Samples** 6      **Rush Samples** \_\_\_\_\_

Lab ID	Sample ID	Description	A/R
1	23034023	LB52698.013-1001	A
2	23034024	LB52698.013-1002	A
3	23034025	LB52698.013-1003	A
4	23034026	LB52698.013-1004	A
5	23034027	LB52698.013-1005	A
6	23034028	LB52698.013-1006	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Federal Express				

Office Use Only	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	4/7/23	910
<b>Analyzed by</b>	Yasuyuki Hida		NVL	4/10/23	
<b>Results Called by</b>					
<input type="checkbox"/> <b>Faxed</b> <input type="checkbox"/> <b>Emailed</b>					

**Special Instructions:** \_\_\_\_\_

Date: 4/7/2023  
 Time: 11:26 AM  
 Entered By: Kelly AuVu



2305581

TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 52698.013 Phase 0001 OSV - Kelley Engineering Center

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: April 06, 2023

PBS Engineering and Environmental Inc.
3500 Chad Drive, Suite 100
Eugene, OR 97408
541.686.8684, Fax: 866.727.0140

Kennedy Potts
Name

Kennedy Potts
Authorized Signature

Date

RECEIVER

Date Received: 4/7/23

Company: NVL Labs, Inc.
Address: 4708 Aurora Ave. North
Seattle, WA 98103
(206)547-0100

Aaron
Name

Aaron 4/7/23 Aaron
Authorized Signature Date

Table with 3 columns: Sender's ID No., Brief Description, Receiver's ID No. Rows include LB52698.013-1001 through 1006.

ANALYSIS REQUESTED:

- LEAD: [x] Paint, [ ] Wipe, [ ] Soil/Misc., [ ] Air, [ ] TCLP

Please analyze the enclosed 6 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

72 Hour

SPECIAL INSTRUCTIONS:

Please email results to Kennedy.potts@pbsusa.com and aaron.lefore@pbsusa.com. Thank you!

THIS IS TO CERTIFY THAT

**AARON LEFORE**

**HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE**

**for**

**ASBESTOS INSPECTOR REFRESHER**

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 03/31/2022

Course Location: Online,

Certificate: IR-22-7318B



**CCB #SRA0615 4-Hr Training**

4-Hour AHERA Inspector Refresher Training; AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

**Expiration Date:** 03/31/2023

For verification of the authenticity of this certificate contact:  
PBS Engineering and Environmental Inc.

A handwritten signature in black ink, which appears to read "Andy Fridley", is written over a horizontal line.

Andy Fridley, Instructor

THIS IS TO CERTIFY THAT  
**KENNEDY POTTS**  
HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE  
for  
**ASBESTOS INSPECTOR REFRESHER**

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 07/08/2022  
Course Location: Online Hybrid,  
Certificate: IR-22-9385B



**CCB #SRA0615 4-Hr Training**

4-Hour AHERA Inspector Refresher Training; AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

**Expiration Date:** 07/08/2023

For verification of the authenticity of this certificate contact:  
PBS Engineering and Environmental Inc.  
4412 S Corbett Avenue  
Portland, OR 97239  
503.248.1939

A handwritten signature in black ink that reads "Andy Fridley".

Andy Fridley, Instructor