

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
23816.225-0001	Caulk (01)		Interior A102; interior black window pane insert caulk	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	foam, black, with coating, off-white		No Asbestos Detected
		Layer 2	wood fibers	No Asbestos Detected	
23816.225-0002	Window Glazing Compound (01)		Interior A100; interior off-white window pane insert glazing	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	compact powder, off-white/gray		No Asbestos Detected
23816.225-0003	Gypsum Wallboard/Joint Compound (01)		Interior staff A1; gypsum and joint compound, typical construction	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	fine compact powder, white, with paint, tan, and fibrous backing		<1% Chrysotile
		Layer 2	chalky material, white	No Asbestos Detected	
23816.225-0004	Wall and Ceiling Plaster (01)		Interior A105; plaster walls, typical construction	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	granular compact powder, white, with multiple colors/layers of paint		No Asbestos Detected
		Layer 2	loose granular material, gray	No Asbestos Detected	
23816.225-0005	Wall and Ceiling Plaster (01)		Interior A109; plaster walls, typical construction	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	granular compact powder, white, with multiple colors/layers of paint		No Asbestos Detected
		Layer 2	loose granular material, gray	No Asbestos Detected	
23816.225-0006	Caulk (02)		Exterior A100; gray window frame perimeter caulk	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	dense foamy material, gray, with flexible coating, gray		No Asbestos Detected
23816.225-0007	Caulk (03)		Exterior A100; rubbery gray caulk between frame and window pane	Lab Cor	
		<b>Layer:</b>	<b>Description:</b>		<b>Analysis:</b>
		Layer 1	flexible material, gray, with paint, green, and wood fibers		No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>	
23816.225-0008	Siding (01)	Exterior A102; concrete textured siding		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> compact granular material, off-white, with thick flexible coating, gray		<b>Analysis:</b> No Asbestos Detected
23816.225-0009	Siding (02)	Exterior A106; concrete textured siding		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> flexible material, gray		<b>Analysis:</b> No Asbestos Detected
		Layer 2	cementitious material, gray, with coating, tan		No Asbestos Detected
23816.225-0010	Caulk (04)	Exterior A106; rubbery gray newer aluminum window frame caulk		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> flexible material, off-white, with coating, gray		<b>Analysis:</b> No Asbestos Detected
23816.225-0011	Caulk (05)	Exterior A110; chalky tan older aluminum window frame perimeter caulk		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> compact material, off-white/tan, with multiple colors/layers of paint		<b>Analysis:</b> No Asbestos Detected
23816.225-0012	Window Glazing Compound (02)	Exterior A11; exterior gray window glazing on wood		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> paint, green		<b>Analysis:</b> No Asbestos Detected
		Layer 2	fine compact powder, gray		<1% Chrysotile
23816.225-0013	Window Glazing Compound (02)	Exterior A111; chalky tan window frame perimeter caulk		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> flexible material, gray, with powdery material, off-white, and paint, green/gray		<b>Analysis:</b> 2% Chrysotile
23816.225-0014	Siding (02)	Exterior A107; concrete textured siding		Lab Cor	
		<b>Layer:</b> Layer 1	<b>Description:</b> flexible material, gray/tan		<b>Analysis:</b> No Asbestos Detected
		Layer 2	cementitious material, gray, with coating, tan		No Asbestos Detected

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<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
23816.225-0015	Window Glazing Compound (02)	Exterior A105; exterior gray window glazing on wood		Lab Cor
		<b>Layer:</b>	<b>Description:</b>	<b>Analysis:</b>
		Layer 1	paint, green/tan	No Asbestos Detected
		Layer 2	fine compact powder, gray	No Asbestos Detected



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

Phone: (503) 224-5055  
http://www.labcorpdx.net

### Asbestos and Environmental Analysis

**Client:** PBS Engineering and Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239

**Report Number:** 190504R01  
**Report Date:** 01/29/2019

**Job Number:** 190504

**P.O. No:** n/a

**Project Name:**

**Project Number:** 23816.225 Phase 0001

**Project Notes:**

Client Sample ID:	23816.225-0001	Sample ID:	S1	Date Analyzed:	01/29/2019	Analyst:	Ellie Brown	Percent Asbestos:
<b>Client Sample Description:</b>								
<b>Asbestos Mineral Fibers</b>								
	Layer Percent:	Chrysotile	Amosite	Crocidolite				
<b>Layer 01</b>								
foam, black, with coating, off-white	90 %	-	-	-				NAD
<b>Layer 02</b>								
wood fibers	10 %	-	-	-				NAD
<b>Other Fibers</b>								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Matrix
<b>Layer 01</b>	-	-	-	-	-	-	-	100 %
<b>Layer 02</b>	-	100 %	-	-	-	-	-	0 %

Client Sample ID:	23816.225-0002	Sample ID:	S2	Date Analyzed:	01/29/2019	Analyst:	Ellie Brown	Percent Asbestos:
<b>Client Sample Description:</b>								
<b>Asbestos Mineral Fibers</b>								
	Layer Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>								
compact powder, off-white/gray	100 %	-	-	-				NAD
<b>Other Fibers</b>								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Matrix
<b>Layer 01</b>	-	-	-	-	-	-	-	100 %
<b>Layer 02</b>	-	100 %	-	-	-	-	-	0 %

Client Sample ID:	23816.225-0003	Sample ID:	S3	Date Analyzed:	01/29/2019	Analyst:	Ellie Brown	Percent Asbestos:
<b>Client Sample Description:</b>								
<b>Asbestos Mineral Fibers</b>								
	Layer Percent:	Chrysotile	Amosite	Crocidolite				
<b>Layer 01</b>								
fine compact powder, white, with paint, tan, and fibrous backing	20 %	Trace	-	-				< 1 %
<b>Layer 02</b>								
chalky material, white	80 %	-	-	-				NAD
<b>Other Fibers</b>								
	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Matrix
<b>Layer 01</b>	-	-	-	-	-	-	-	100 %
<b>Layer 02</b>	-	Trace	-	-	-	-	-	100 %



**Lab/Cor Portland, Inc.**  
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**BULK SAMPLE ASBESTOS ANALYSIS**

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*Asbestos and Environmental Analysis*

**Client:** PBS Engineering and Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239

**Report Number:** 190504R01  
**Report Date:** 01/29/2019

**Job Number:** 190504

**P.O. No:** n/a

**Project Name:**

**Project Number:** 23816.225 Phase 0001

**Project Notes:**

<b>Client Sample ID:</b> 23816.225-0004	<b>Sample ID:</b> S4	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent:	Chrysotile	Amosite
			Crocidolite
			<b>Percent Asbestos:</b>
<b>Layer 01</b>			
granular compact powder, white, with multiple colors/layers of paint	35 %	-	-
			<b>NAD</b>
<b>Layer 02</b>			
loose granular material, gray	65 %	-	-
			<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass	Cellulose	Mineral Wool
			Synthetic
			Other
			Matrix
<b>Layer 01</b>	-	-	-
<b>Layer 02</b>	-	Trace	-
			100 %

<b>Client Sample ID:</b> 23816.225-0005	<b>Sample ID:</b> S5	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent:	Chrysotile	Amosite
			Crocidolite
			<b>Percent Asbestos:</b>
<b>Layer 01</b>			
granular compact powder, white, with multiple colors/layers of paint	20 %	-	-
			<b>NAD</b>
<b>Layer 02</b>			
loose granular material, gray	80 %	-	-
			<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass	Cellulose	Mineral Wool
			Synthetic
			Other
			Matrix
<b>Layer 01</b>	-	-	-
<b>Layer 02</b>	-	Trace	-
			100 %



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## BULK SAMPLE ASBESTOS ANALYSIS

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### Asbestos and Environmental Analysis

**Client:** PBS Engineering and Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239

**Report Number:** 190504R01  
**Report Date:** 01/29/2019

**Job Number:** 190504

**P.O. No:** n/a

**Project Name:**

**Project Number:** 23816.225 Phase 0001

**Project Notes:**

<b>Client Sample ID:</b> 23816.225-0006	<b>Sample ID:</b> S6	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile    Amosite    Crocidolite		<b>Percent Asbestos:</b>
<b>Homogeneous</b>			
dense foamy material, gray, with flexible coating, gray	100 %    -    -    -		<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass    Cellulose    Mineral Wool    Synthetic    Other		Matrix
	-    -    -    -    -		100 %

<b>Client Sample ID:</b> 23816.225-0007	<b>Sample ID:</b> S7	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile    Amosite    Crocidolite		<b>Percent Asbestos:</b>
<b>Homogeneous</b>			
flexible material, gray, with paint, green, and wood fibers	100 %    -    -    -		<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass    Cellulose    Mineral Wool    Synthetic    Other		Matrix
	-    15 %    -    -    -		85 %

<b>Client Sample ID:</b> 23816.225-0008	<b>Sample ID:</b> S8	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile    Amosite    Crocidolite		<b>Percent Asbestos:</b>
<b>Homogeneous</b>			
compact granular material, off-white, with thick flexible coating, gray	100 %    -    -    -		<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass    Cellulose    Mineral Wool    Synthetic    Other		Matrix
	-    Trace    -    -    -		100 %



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### Asbestos and Environmental Analysis

**Client:** PBS Engineering and Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239

**Report Number:** 190504R01  
**Report Date:** 01/29/2019

**Job Number:** 190504

**P.O. No:** n/a

**Project Name:**

**Project Number:** 23816.225 Phase 0001

**Project Notes:**

<b>Client Sample ID:</b> 23816.225-0009	<b>Sample ID:</b> S9	<b>Date Analyzed:</b> 01/29/2019						
<b>Client Sample Description:</b>			<b>Analyst:</b> Ellie Brown					
<b>Asbestos Mineral Fibers</b>	Layer Percent:	Chrysotile	Amosite	Crocidolite				<b>Percent Asbestos:</b>
<b>Layer 01</b>								
flexible material, gray	50 %	-	-	-				<b>NAD</b>
<b>Layer 02</b>								
cementitious material, gray, with coating, tan	50 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
<b>Layer 01</b>	-	-	-	-	-	-	-	100 %
<b>Layer 02</b>	-	Trace	-	-	-	-	-	100 %

<b>Client Sample ID:</b> 23816.225-0010	<b>Sample ID:</b> S10	<b>Date Analyzed:</b> 01/29/2019						
<b>Client Sample Description:</b>			<b>Analyst:</b> Ellie Brown					
<b>Asbestos Mineral Fibers</b>	Layer Percent:	Chrysotile	Amosite	Crocidolite				<b>Percent Asbestos:</b>
<b>Homogeneous</b>								
flexible material, off- white, with coating, gray	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	-	-	-	-	-	-	100 %

<b>Client Sample ID:</b> 23816.225-0011	<b>Sample ID:</b> S11	<b>Date Analyzed:</b> 01/29/2019						
<b>Client Sample Description:</b>			<b>Analyst:</b> Ellie Brown					
<b>Asbestos Mineral Fibers</b>	Layer Percent:	Chrysotile	Amosite	Crocidolite				<b>Percent Asbestos:</b>
<b>Homogeneous</b>								
compact material, off- white/tan, with multiple colors/layers of paint	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	-	-	-	-	-	-	100 %



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4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

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### Asbestos and Environmental Analysis

**Client:** PBS Engineering and Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239

**Report Number:** 190504R01  
**Report Date:** 01/29/2019

**Job Number:** 190504

**P.O. No:** n/a

**Project Name:**

**Project Number:** 23816.225 Phase 0001

**Project Notes:**

<b>Client Sample ID:</b> 23816.225-0012	<b>Sample ID:</b> S12	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile Amosite Crocidolite		<b>Percent Asbestos:</b>
<b>Layer 01</b> paint, green	15 % - - -		<b>NAD</b>
<b>Layer 02</b> fine compact powder, gray	85 % Trace - -		<b>&lt; 1 %</b>
<b>Other Fibers</b>	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix
<b>Layer 01</b>	- - - - -	-	100 %
<b>Layer 02</b>	- - - - -	-	100 %

<b>Client Sample ID:</b> 23816.225-0013	<b>Sample ID:</b> S13	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile Amosite Crocidolite		<b>Percent Asbestos:</b>
<b>Homogeneous</b> flexible material, gray, with powdery material, off-white, and paint, green/gray	100 % 2 % - -		<b>2 %</b>
<b>Other Fibers</b>	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix
	- Trace - - -	-	98 %

<b>Client Sample ID:</b> 23816.225-0014	<b>Sample ID:</b> S14	<b>Date Analyzed:</b> 01/29/2019	
<b>Client Sample Description:</b>		<b>Analyst:</b> Ellie Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile Amosite Crocidolite		<b>Percent Asbestos:</b>
<b>Layer 01</b> flexible material, gray/tan	50 % - - -		<b>NAD</b>
<b>Layer 02</b> cementitious material, gray, with coating, tan	50 % - - -		<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix
<b>Layer 01</b>	- - - - -	-	100 %
<b>Layer 02</b>	- - - - -	-	100 %





190504 1/2



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

**Project No.:** 23816.225      **Phase** 0001

*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:** January 25, 2019

**PBS Engineering and Environmental Inc.**  
4412 SW Corbett Avenue  
Portland, OR 97239  
503.248.1939, Fax: 866.727.0140

Alex Johnson  
**Name**

[Signature]      1/25/19      0900  
**Authorized Signature      Date      Time**

**RECEIVER**

**Date Received:** 1/25/19

**Company:** Lab Cor  
**Address:** 4321 SW Corbett Ave Ste A  
Portland, OR 97239  
503-224-5055

[Signature]  
**Name**

[Signature]      1/25/19      8:45  
**Authorized Signature      Date      Time**

Sender's ID No.	Brief Description	Receiver's ID No.
23816.225-0001	_____	_____
23816.225-0002	_____	_____
23816.225-0003	_____	_____
23816.225-0004	_____	_____
23816.225-0005	_____	_____
23816.225-0006	_____	_____
23816.225-0007	_____	_____
23816.225-0008	_____	_____
23816.225-0009	_____	_____
23816.225-0010	_____	_____
23816.225-0011	_____	_____
23816.225-0012	_____	_____
23816.225-0013	_____	_____
23816.225-0014	_____	_____

190504 1/2



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

23816.225-0015 \_\_\_\_\_

Please analyze the enclosed 15 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:**

JRM