

AIR SAMPLE ASBESTOS ANALYSIS

Client: Lake Oswego SD

Report Date: 08/15/2025

Date Received:

Project: Palisades School

Apex Project No.:
LAK032-0418019-25011223

Task 0001

Page No.: 1 of 1

APEX LAB ID/ CLIENT ID	DATE, LOCATION WORKER NAME, ACTIVITY, PPE, ETC.	MINUTES SAMPLED	AVE. FLOW RATE (LPM)	AIR VOLUME (L)	FIBERS/ FIELDS	FIBERS PER cc (f/cc)
A25011223-0001	8/14/2025 - Clearance-TEM Health room	122	9.9 LPM	1208 L	See Attached TEM Analysis Report	
A25011223-0002	8/14/2025 - Clearance-TEM Health room	122	9.9 LPM	1208 L	See Attached TEM Analysis Report	
A25011223-0003	8/14/2025 - Clearance-TEM Health room	122	9.9 LPM	1208 L	See Attached TEM Analysis Report	
A25011223-0004	8/14/2025 - Clearance-TEM Health room	122	9.9 LPM	1208 L	See Attached TEM Analysis Report	
A25011223-0005	8/14/2025 - Clearance-TEM Health room	122	9.9 LPM	1208 L	See Attached TEM Analysis Report	

REVIEWED BY

Approved Signatory

Date

Bob Kleckner

Name

L: Liters of air

LPM: Liters per minute

A: Interlaboratory 95% Upper Confidence Limit

B: Intralaboratory 95% Upper Confidence Limit

C: Limit of detection (LOD)

<LOD: Below the limit of detection

FILTER AREA (Square millimeters): 385

4412 S CORBETT AVENUE
PORTLAND, OR 97239 503.248.1939
FAX 866.727.0140



TEM Summary Report

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Project # : 25011223 Task 0001

Identification : Asbestos, Air Filter Analysis

Test Method : Transmission Electron Microscopy/X-Ray Analysis (TEM/EDX) EPA 40 CFR 763

Lab Job No. : 25T-09986

Report Date : 08/15/2025

Sample Date : Not Provided

Page 1 of 1

On 8/15/2025, five (5) air cassette samples were submitted by a representative of Apex Companies, LLC - Portland for asbestos analysis by TEM/EDX. The TEM Analysis Sheets are attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Sample Volume (liters)	Area Analyzed (mm ²)	Total Asbestos Structures	Analytical Sensitivity (s/cc)	Asbestos Concentration (s/cc)	Asbestos Concentration (s/mm ²)
A25011223-0001	Clearance	1208	0.06	0	0.005	<0.005	<16.7
A25011223-0002	Clearance	1208	0.06	0	0.005	<0.005	<16.7
A25011223-0003	Clearance	1208	0.06	0	0.005	<0.005	<16.7
A25011223-0004	Clearance	1208	0.06	0	0.005	<0.005	<16.7
A25011223-0005	Clearance	1208	0.06	0	0.005	<0.005	<16.7

The test report shall not be reproduced, except in full, without written approval of the laboratory. The results relate only to the items tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government. The laboratory is not responsible for data provided by non-laboratory personnel. Reported results are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation. Laboratory C.V. = 0.10 based on NIST SRM 1876b standard. Accredited by the National Voluntary Laboratory Accreditation Program for Airborne Asbestos Fiber Analysis under Lab Code 102056-0.

Analyst(s): Brian R. Schmidt

Lab Manager : Heather Lopez

Lab Director : Bruce Crabb

Approved Signatory : _____

Approved Signatory : _____



Thank you for choosing Moody Labs



TEM Analysis Sheet

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Lab Job No. : 25T-09986

Client Sample #: A25011223-0001

Sample Desc: Clearance

Filter: 0.45 μm /MCE/385 mm²

Sample Volume: 1208 liters

No. of Squares: 5

Square Field Area: 0.012 mm²Total Area Analyzed: 0.06 mm²

Total Asbestos Structures: 0

Total Asbestos Structures: 0 (>5)

Analytical Sensitivity: 0.005 s/cc

Asbestos Concentration: <0.005 s/cc

Asbestos Concentration: <16.7 s/mm²

Sqr#	Grid#	Sqr ID	Struct #	Structure Type	Structure	L (μm)	W (μm)	SAED	Photo ID	EDX	Spectra ID
1	1	E2		No Structures Detected							
2	1	E4		No Structures Detected							
3	1	E6		No Structures Detected							
4	2	F3		No Structures Detected							
5	2	F5		No Structures Detected							

Microscope: JEOL 1200EXII

KV: 100kV

Mag: 20000

Analyst: Brian R. Schmidt

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Comments:

Date Analyzed: 8/15/2025

Sample No.: A25011223-0001 (Page 1)



TEM Analysis Sheet

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Lab Job No. : 25T-09986

Client Sample #: A25011223-0002

Sample Desc: Clearance

Filter: 0.45 μm /MCE/385 mm²

Sample Volume: 1208 liters

No. of Squares: 5

Square Field Area: 0.012 mm²Total Area Analyzed: 0.06 mm²

Total Asbestos Structures: 0

Total Asbestos Structures: 0 (>5)

Analytical Sensitivity: 0.005 s/cc

Asbestos Concentration: <0.005 s/cc

Asbestos Concentration: <16.7 s/mm²

Sqr#	Grid#	Sqr ID	Struct #	Structure Type	Structure	L (μm)	W (μm)	SAED	Photo ID	EDX	Spectra ID
1	1	E2		No Structures Detected							
2	1	E4		No Structures Detected							
3	1	E6		No Structures Detected							
4	2	C3		No Structures Detected							
5	2	C5		No Structures Detected							

Microscope: JEOL 1200EXII

KV: 100kV

Mag: 20000

Analyst: Brian R. Schmidt

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Comments:

Date Analyzed: 8/15/2025

Sample No.: A25011223-0002 (Page 1)



TEM Analysis Sheet

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Lab Job No. : 25T-09986

Client Sample #: A25011223-0003

Sample Desc: Clearance

Filter: 0.45 μm /MCE/385 mm²

Sample Volume: 1208 liters

No. of Squares: 5

Square Field Area: 0.012 mm²Total Area Analyzed: 0.06 mm²

Total Asbestos Structures: 0

Total Asbestos Structures: 0 (>5)

Analytical Sensitivity: 0.005 s/cc

Asbestos Concentration: <0.005 s/cc

Asbestos Concentration: <16.7 s/mm²

Sqr#	Grid#	Sqr ID	Struct #	Structure Type	Structure	L (μm)	W (μm)	SAED	Photo ID	EDX	Spectra ID
1	1	E2		No Structures Detected							
2	1	E4		No Structures Detected							
3	1	E6		No Structures Detected							
4	2	F3		No Structures Detected							
5	2	F5		No Structures Detected							

Microscope: JEOL 1200EXII

KV: 100kV

Mag: 20000

Analyst: Brian R. Schmidt

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Comments:

Date Analyzed: 8/15/2025

Sample No.: A25011223-0003 (Page 1)



TEM Analysis Sheet

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Lab Job No. : 25T-09986

Client Sample #: A25011223-0004

Sample Desc: Clearance

Filter: 0.45 μm /MCE/385 mm²

Sample Volume: 1208 liters

No. of Squares: 5

Square Field Area: 0.012 mm²Total Area Analyzed: 0.06 mm²

Total Asbestos Structures: 0

Total Asbestos Structures: 0 (>5)

Analytical Sensitivity: 0.005 s/cc

Asbestos Concentration: <0.005 s/cc

Asbestos Concentration: <16.7 s/mm²

Sqr#	Grid#	Sqr ID	Struct #	Structure Type	Structure	L (μm)	W (μm)	SAED	Photo ID	EDX	Spectra ID
1	1	E2		No Structures Detected							
2	1	E4		No Structures Detected							
3	1	E6		No Structures Detected							
4	2	F3		No Structures Detected							
5	2	F5		No Structures Detected							

Microscope: JEOL 1200EXII

KV: 100kV

Mag: 20000

Analyst: Brian R. Schmidt

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Comments:

Date Analyzed: 8/15/2025

Sample No.: A25011223-0004 (Page 1)



TEM Analysis Sheet

NVLAP Lab Code 102056-0

TDSHS License No. 300084

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Companies, LLC - Portland

Project : Palisades School

Lab Job No. : 25T-09986

Client Sample #: A25011223-0005

Sample Desc: Clearance

Filter: 0.45 μm /MCE/385 mm²

Sample Volume: 1208 liters

No. of Squares: 5

Square Field Area: 0.012 mm²Total Area Analyzed: 0.06 mm²

Total Asbestos Structures: 0

Total Asbestos Structures: 0 (>5)

Analytical Sensitivity: 0.005 s/cc

Asbestos Concentration: <0.005 s/cc

Asbestos Concentration: <16.7 s/mm²

Sqr#	Grid#	Sqr ID	Struct #	Structure Type	Structure	L (μm)	W (μm)	SAED	Photo ID	EDX	Spectra ID
1	1	E2		No Structures Detected							
2	1	E4		No Structures Detected							
3	1	E6		No Structures Detected							
4	2	F3		No Structures Detected							
5	2	F5		No Structures Detected							

Microscope: JEOL 1200EXII

KV: 100kV

Mag: 20000

Analyst: Brian R. Schmidt

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Comments:

Date Analyzed: 8/15/2025

Sample No.: A25011223-0005 (Page 1)



25T-09986 Tem-
AHERA-5
0.45

TRANSMITTAL AND CHAIN OF CUSTODY FOR AIR TEM SAMPLES

Project No.: LAK032-0418019-25011223 Task 0001

Project Site: Palisades School

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: August 14, 2025

Apex Companies, LLC
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 866.727.0140

John Yung
Name

AO 8/14 2:52
Authorized Signature Date Time

RECEIVER

Date Received: 8/15/25 ups

Company: Moody Labs
Address: 2051 Valley View Lane
Farmers Branch, TX 75234
(972)241-8460

NO
Name

9:56am
Authorized Signature Date Time

Sender's ID No.	Brief Description	Receiver's ID No.	Air Volume
A25011223-0001	Clearance-TEM	_____	1208 L
A25011223-0002	Clearance-TEM	_____	1208 L
A25011223-0003	Clearance-TEM	_____	1208 L
A25011223-0004	Clearance-TEM	_____	1208 L
A25011223-0005	Clearance-TEM	_____	1208 L

Please analyze the attached 5 air sample(s), as listed on this form, for asbestos using Transmission Electron Microscopy, in accordance with A.H.E.R.A., CFR 40, Part 763, Appendix A to Subpart E, protocol, or the most recent version thereof. Please archive any remaining sample components for a minimum of thirty days after analysis date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: 5 Day

SPECIAL INSTRUCTIONS: Bob Kleckner, Kelsey Day