

## TEM Final Clearance Report

### Site:

18 Irving St.  
Peabody, MA. 01960

### Prepared For:

Town of Peabody

### Project Monitor on Site:

John A. Bachand

*John A. Bachand*

AM031319

### Project Scope

6/27/25  
TEM Final Clearance Testing: Kitchen Abatement

June 30, 2025

To Whom it Concerns,


Please find enclosed the air testing results taken on June 27, 2025. Northeast Environmental was contracted to perform air testing for airborne fibers in the kitchen of the Center School located at 18 Irving St. Peabody, MA. 01960. All samples were collected in accordance with the protocols required by the Asbestos Hazard Emergency Response Act, (AHERA) 40 CFR Chapter I subchapter Q subsection 763 Appendix A,1(B).

Transmission electron microscopy analysis was conducted by EMSL Analytical, Inc. of Woburn, Massachusetts. EMSL Analytical, Inc. is a participant in the NVLAP proficiency program and is accredited by the National Institute of Standards and Technology.

This report includes a summary of the analytical results. The analysis indicates that no asbestos fiber structures were detected in any of the samples analyzed.

If you have any questions concerning your results, this report or the analytical methods employed, please feel free to call me at (978) 618-6064

Respectfully,



John A. Bachand, Esq.  
Industrial Hygienist  
AA000153  
AM 031319  
AI 901207  
AF58

**NORTHEAST ENVIRONMENTAL LABS**

11 CLIFF AVE. Suite B. HAMPTON, NH. 03842-3650



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com> / [bostonlab@emsl.com](mailto:bostonlab@emsl.com)

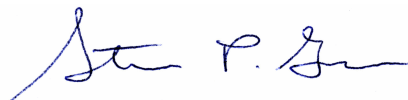
EMSL Order: 132503651
Customer ID: NEEL62
Customer PO:
Project ID:

<b>Attention:</b> John A. Bachand Northeast Environmental Labs 11 Cliff Avenue Hampton, NH 03842-3650  <b>Project:</b> Center Elementary School; 18 Irving Street; Peabody, MA	<b>Phone:</b> (978) 618-6064 <b>Fax:</b> (603) 929-5958 <b>Received Date:</b> 06/27/2025 13:45 PM <b>Analysis Date:</b> 06/30/2025 <b>Collected Date:</b> 06/27/2025
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## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
1	Inside Kitchen Containment	1200.00	0.0762	0	None Detected	0	0	0.0042	<13.00	<0.0042
132503651-0001										
2	Inside Kitchen Containment	1200.00	0.0762	0	None Detected	0	0	0.0042	<13.00	<0.0042
132503651-0002										
3	Inside Kitchen Containment	1200.00	0.0762	0	None Detected	0	0	0.0042	<13.00	<0.0042
132503651-0003										
4	Inside Kitchen Containment	1200.00	0.0762	0	None Detected	0	0	0.0042	<13.00	<0.0042
132503651-0004										
5	Inside Kitchen Containment	1200.00	0.0762	0	None Detected	0	0	0.0042	<13.00	<0.0042
132503651-0005										
6	Outside Kitchen Containment	1200.00			Not Analyzed					N/A
132503651-0006										
7	Outside Kitchen Containment	1200.00			Not Analyzed					N/A
132503651-0007										
8	Outside Kitchen Containment	1200.00			Not Analyzed					N/A
132503651-0008										
9	Outside Kitchen Containment	1200.00			Not Analyzed					N/A
132503651-0009										
10	Outside Kitchen Containment	1200.00			Not Analyzed					N/A
132503651-0010										
11	Blank Open	0.00			Not Analyzed					N/A
132503651-0011										
12	Blank Open	0.00			Not Analyzed					N/A
132503651-0012										
13	Blank Closed	0.00			Not Analyzed					N/A
132503651-0013										

Analyst(s)  
 \_\_\_\_\_  
 Steve Grise (5)

  
 \_\_\_\_\_  
 Steve Grise, Laboratory Manager  
 or other approved signatory



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<b>Attention:</b> John A. Bachand Northeast Environmental Labs 11 Cliff Avenue Hampton, NH 03842-3650  <b>Project:</b> Center Elementary School; 18 Irving Street; Peabody, MA	<b>Phone:</b> (978) 618-6064 <b>Fax:</b> (603) 929-5958 <b>Received Date:</b> 06/27/2025 13:45 PM <b>Analysis Date:</b> 06/30/2025 <b>Collected Date:</b> 06/27/2025
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## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area		Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
			Analyzed (mm <sup>2</sup> )	Non Asb		≥0.5μ < 5μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in structures/cm3 are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI TEM00139, VT AL998919

Initial report from: 06/30/2025 16:01 PM



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

132503651

WOBURN, MA 01801  
PHONE: (781) 933-8411  
FAX: (781) 933-8412

Company : Northeast Environmental Labs		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 11 Cliff Avenue		<i>Third Party Billing requires written authorization from third party</i>	
City: Hampton	State/Province: NH	Zip/Postal Code: 03842	Country: USA
Report To (Name): John Bachand		Telephone #: (978)-618-6064	
Email Address: jabash@comcast.net		Fax #:	Purchase Order:
Project Name/Number: <i>Center Elementary School</i>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: <i>18 Irving St Peabody, MA</i>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<p><b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> w/ OSHA 8hr. TWA</p> <p><b>PLM - Bulk (reporting limit)</b></p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p>	<p><b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input checked="" type="checkbox"/> AHERA 40 CFR, Part 763 <i>743</i></p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312</p> <p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)</p> <p><input type="checkbox"/> Chatfield SOP</p> <p><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5</p> <p><b>TEM - Water:</b> EPA 100.2</p> <p>Fibers &gt;10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p> <p>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p><b>TEM- Dust</b></p> <p><input type="checkbox"/> Microvac - ASTM D 5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p> <p><b>Soil/Rock/Vermiculite</b></p> <p><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)</p> <p><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)</p> <p><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)</p> <p><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)</p> <p><input type="checkbox"/> TEM Qual. via Filtration Technique</p> <p><input type="checkbox"/> TEM Qual. via Drop-Mount Technique</p> <p><b>Other:</b></p> <p><input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group      Filter Pore Size (Air Samples):  0.8µm  0.45µm

Samplers Name: *John A Bachand*      Samplers Signature: *John A Bachand*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	<i>Inside Kitchen Containment</i>	1200	<i>11:04 am 6/27 1:10 pm</i>
2	"	"	"
3	"	"	"
4	"	"	"
5	"	"	"
6	<i>Outside Kitchen Containment</i>	1200	<i>11:10 am 6/27 1:40 pm</i>
7	"	"	"
8	"	"	"

Client Sample # (s): -      Total # of Samples: *13*

Relinquished (Client): *John A Bachand*      Date: *6-27-25*      Time:

Received (Lab):      Date:      Time:

Comments/Special Instructions:

SM 1345

REC'D EMSL-BOSTON JUN 27 2025

Wainin

