



Environmental Resources Group

3125 Sovereign Drive • Suite B • Lansing, MI • 48911
Phone: 517-999-6020 • Fax: 248-924-3108

October 7, 2024

Brian Lieber
Director of Facilities
Okemos Public Schools
4406 Okemos Road
Okemos, Michigan 48864

**RE: Asbestos and Paint Sampling, Gym and Childcare
Public Montessori at Central, 4406 Okemos Road, Okemos, Michigan
ERG Project No.: 240469**

Dear Mr. Lieber:

Environmental Resources Group, LLC (ERG) is pleased to present the following report of findings. As you know, on September 23, 2024, ERG collected bulk samples of assumed asbestos containing materials (ACM) and paints for metals analysis within the Okemos Public Montessori at Central, 4406 Okemos Road, Okemos, Michigan. Samples were collected of materials from the childcare (aftercare) that are the same as those in the Gym (which were out of reach). Samples were collected prior to renovation of the school. Samples were collected at the request of Stephanie Thomas of the Christman Company.

The bulk samples were collected by a State of Michigan accredited building inspector. The collected bulk samples were submitted to ERG for asbestos analysis by Polarized Light Microscopy (PLM) with dispersion staining. The collected bulk samples were analyzed using the Environmental Protection Agency (EPA) Method 600/R-93/116. The ERG PLM Laboratory maintains current National Voluntary Laboratory Accreditation Program (NVLAP) accreditation (Lab Code 101510-0).

The following material was sampled, tested, and found not to contain asbestos:

White tectum roof deck panels

The paint sample was collected by a State of Michigan accredited building inspector. The collected paint sample was submitted to Apex Research, Inc. (Apex), Brighton, Michigan for lead, cadmium, and chromium analysis. The paint sample was analyzed by EPA Method 6010. Apex maintains current National Lead Laboratory Accreditation Program (NLLAP) accreditation and is also accredited by the American Industrial Hygiene Association (AIHA) – Laboratory Accreditation Program (LAP) Environmental Lead Laboratory Accreditation Program (ELLAP), Laboratory ID# 102118-0.



Lead was found in the white paint on the metal beams in a concentration of 0.59 weight percent. As a point of reference, lead based paint is 0.5 weight percent lead. The paint is lead based.

Chromium was found in the paint at a concentration of .05 weight percent.

No Cadmium was found in the paint.

The presence of a detectable quantity of lead and chromium in the white truss paint requires compliance with applicable provisions of the Michigan Lead Exposure Construction Standard and the Michigan Chromium Standard for those who disturb the paint. Specifically, lead and chromium hazard awareness training, exposure assessments, development of written compliance plans and use of personal protective equipment (respirator, nitrile gloves, Tyvek suit) will be required for those employees disturbing the lead and chromium bearing paint on the trusses.

As no Cadmium was detected in the paint, the renovation may proceed without concern for Cadmium exposures. As no asbestos was detected in any of the tested materials, the renovation in this area may proceed without further asbestos related consideration.

The Bulk Sample (Asbestos and Paint) Analytical Reports and Chain of Custody Forms are attached for your records.

Should you have questions or need additional information feel free to contact us.

Sincerely,

Environmental Resources Group

A handwritten signature in blue ink that reads "Kristin Peterson".

Kristin Peterson
Senior Industrial Hygienist

Enc

CC: Stephanie Thomas
Allison Duncan



BULK SAMPLE LOGS
LABORATORY REPORTS
CHAIN OF CUSTODY FORMS



BULK SAMPLE ANALYTICAL REPORT

Project # 240469

NVLAP Accreditation #101510-0

Client Name: Okemos Public Schools
 Project Name: Okemos Public Montessori
 Summary: 2 Collected Bulk Samples, 2 Sample Layers Analyzed.

Date Sampled: 9/23/2024
 Date Submitted: 9/23/2024
 Date Analyzed: 9/23/2024

Client P.O. #: N/A
 C.O.C. #: N/A
 Report Date: 9/24/2024

ERG Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos Containing Portion	Analyst
1-1	1-1	White and tan fibrous and brittle material, Tectum Panel. (Homogeneous)	NAD	Cellulose fibers 60% Non-fibrous material 40%	KS
1-2	1-2	White and tan fibrous and brittle material, Tectum Panel. (Homogeneous)	NAD	Cellulose fibers 60% Non-fibrous material 40%	KS



Comments

Bulk samples were analyzed using the USEPA Test Method EPA/600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials and EPA-40 CFR Appendix E to Subpart 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced, except in full, without the written approval of the laboratory. Individual sample layers are homogeneous, unless otherwise noted.

If no asbestos was detected in a sample the acronym NAD (no asbestos detected) will appear in the Asbestos Type column of the report.

Fine fibers like those in floor tile may not be discernible by this method.

Factors related to measurement uncertainty have been identified and are available up request.

Test items were received in acceptable condition unless otherwise noted. Revision 5.0 dated 08/27/19.

Approved Signatory: 

Date: 9/24/2024



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Client Name: Okemos Public Schools	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS										Matrix Code	
Contact Person: K. Peterson			HOLD SAMPLE	S	Soil	GW	Ground Water							
Project Name/ Number: 240469-1				A	Air	SW	Surface Water							
Project Location: Okemos Public Montessori @ Central Okemos, MI				O	Oil	W	Wastewater							
Email Distribution List:				B	Bulks	X	Other: Specify							
Phone No.:											Remarks: HP			
Purchase Order No.:														

Date	Time	Sample #	Client Sample Descriptor	MATRIX	# OF CONTAINERS	PARAMETERS
9/23/24		1-1	white tectum panel	B	1	X
↓		1-2	" "	B	1	X

Comments: Samples received in acceptable condition

Sampled/Relinquished By: Kus [Signature]	Date/ Time: 9/23/24 @ 8:05	Received By:
Relinquished By:	Date/ Time:	Received By:
Relinquished By:	Date/ Time:	Received By Laboratory: Maude [Signature]

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

Same day
 1 bus. day
 2 bus. days
 3 bus. days
 4 bus. days

5-7 bus. days (standard)
 Other (specify time/date requirement): **end of day 9/23/24**

LAB USE ONLY
 ERG project number:
 Temperature upon receipt at Lab (if applicable):

Please see back for terms and conditions



Certificate of Analysis - Metals in Paint



Method: EPA SW846-7190M, EPA SW846-7130M, EPA SW846-7420M

Project: Okemos Public Montessori at Central

Project #: 230029

Report to:

Ms. Kristin Peterson, Mr. Phillip Peterson
Environmental Resources Group
3125 Sovereign Drive, Suite B
Lansing, MI 48911

ARL Report #: 24-L26305

Date Sampled: 09/20/24

Date Received: 09/23/24

Date Analyzed: 09/23/24

Date Reported: 09/23/24

Laboratory ID:	Client ID:	Reporting Limit:	Chromium:	Cadmium:	Lead:
L26305-01	P1-1	0.01%	Cr - 0.05%	Cd - < 0.01%	Pb - 0.59%
White Truss Paint					

Reporting Limit of 0.01% is based on minimum sample weight of 100mg per our SOP, and may vary based on smaller sample size. APEX Research is not responsible for sample collection activities, and results apply to samples as received. Methods have been slightly modified. Samples received in acceptable condition unless otherwise noted. This certificate of analysis relates only to the samples tested and to ensure the integrity of the results, may only be reproduced in full. Liability limited to cost of analysis. APEX Research, Inc. (Laboratory ID# 227441) is accredited by the AIHA Laboratory Accreditation Programs, LLC (AIHA LAP,LLC) in the Environmental Lead Laboratory Accreditation Program for Lead in Paint as documented by the Scope of Accreditation Certificate and associated Scope. Accreditation extends to lead analyses only.

Robert T. Letarte Jr., Laboratory Director



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Apex # **L26305**

Oskemos Public Mototessori @ central

Client Name: ERG		PARAMETERS										Matrix Code			
Contact Person: K. Peterson		MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	cadmium	Lead	Chromium	HOLD SAMPLE					S Soil		GW Ground Water	
Project Name/ Number: 230029												A Air		SW Surface Water	
Project Location: central Oskemos Public Mototessori												O Oil		W Wastewater	
Email Distribution List: Kristin.Peterson@erggrp.net Phillip.Peterson@erggrp.net												B Bulks		X Other: Specify	
Phone No.:															
Purchase Order No.:															
Date	Time	Sample #	Client Sample Descriptor									Remarks:			
9/20/24		PI-1	white truss paint	B	1	X	X	X							

Comments: Samples received in acceptable condition

RECEIVED

Sampled/Relinquished By: <i>[Signature]</i>	Date/ Time: 9/20/24 @ 15:48	Received By: <i>[Signature]</i> 10:27
Relinquished By:	Date/ Time:	Received By: SEP 23 2024
Relinquished By:	Date/ Time:	Received By: APEX RESEARCH

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

Some day
 1 bus. day
 2 bus. days
 3 bus. days
 4 bus. days

5-7 bus. days (standard)
Other (specify time/date requirement): **end of day 9/23/24**

LAB USE ONLY

ERG project number: _____

Temperature upon receipt at Lab (if applicable): _____

Please see back for terms and conditions