



February 28, 2024

Kawartha Pine Ridge District School Board
1994 Fisher Drive
Peterborough, Ontario, K9J 7A1

Re: Revised Hazardous Building Materials Assessment (Preconstruction)
Port Hope Highschool / Dr. MS Hawkins Public School, 130 Highland Drive, Port Hope, ON
Pinchin File: 335495.027

Kawartha Pine Ridge District School Board (KPRDSB, Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of Port Hope Highschool / Dr. MS Hawkins Public School located at 130 Highland Drive, Port Hope, Ontario.

Pinchin performed the assessment on December 27, 2023 and returned to site January 30, 2024, to collect additional samples. The assessor was unaccompanied during the assessment. The assessed area was unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for classroom refresh renovations. The proposed work as identified by the Client includes renovations to Classroom 244 (Loc. 257), Classroom 246 (Loc. 259), Room 246A (Loc. 260), Classroom 245 (Loc. 261), Classroom 247 (Loc. 262), Classroom 233 (Loc. 246), and Classroom 235 (Loc. 247). The results of this assessment are intended for use with a properly developed performance specification.

The **assessed area** is limited to the portions of the building to be renovated, as described by the Client, and identified in the drawings in Appendix I.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structures and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould and Water Damage



Arsenic, acrylonitrile, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride monomer are not typically found in building materials in a composition/state that is hazardous and were not included in this assessment.

1.0 RECOMMENDATIONS

1.1 General

Prepare performance specifications for hazardous material removal required for the planned work. The specifications should include safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.

If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.

Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.

Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.

Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings.

1.2 Remedial Work

No remedial work is required at this time.

1.3 Building Renovation Work

The following recommendations are made regarding renovation involving the hazardous materials identified.

1.3.1 Asbestos

Remove asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

1.3.2 Lead

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal



protective equipment should be assessed on a site-specific basis to comply with Ministry of Labour, Immigration, Training and Skills Development regulations and guidelines.

For paints identified as having low levels of lead (i.e., equal to or above 0.009% (90 mg/kg) but less than or equal to the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints) special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned. Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal. Metallic components coated with lead paint do not require leachate testing and can be disposed of as non-hazardous construction and demolition (C&D) waste.

1.3.3 Silica

Construction disturbance of silica-containing products may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with applicable regulations and guidelines.

1.3.4 Mercury

Do not break lamps. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

2.0 BACKGROUND INFORMATION

2.1 Assessed Area Description Summary

Description Item	Details
Building Use	Secondary School
Floors Above Grade	Two
Floors Below Grade	N/A
Total Area (square feet)	165,570 SF of the entire school. Assessed area is ~6,400 square feet.
Year of Construction	The assessed area is in the 1970 phase of construction
Structure	Structural steel and concrete.
Exterior Cladding	Pre-cast concrete, and brick
HVAC	Boiler and hot water heating to radiators, and rooftop HVAC system.



Description Item	Details
Flooring	Vinyl floor tile
Wall and Ceiling Finishes	Drywall, concrete block, and acoustic tile

2.2 Existing Reports

2.2.1 Review of Previous Reports

Pinchin reviewed the following reports and included relevant results as appropriate:

- “Asbestos Assessment, Kawartha Pine Ridge District School Board, Port Hope High School and Dr. Hawkins Senior Public School, 130 Highland Drive, Port Hope, Ontario”, dated May 2, 2011, Pinchin file 59723.
- “Hazardous Building Materials Assessment, Port Hope High School & Dr. Hawkins Senior Public School, 130 Highland Drive, Port Hope, Ontario”, dated March 3, 2023, Pinchin File 319522.
- “Asbestos-Containing Materials Reassessment, Port Hope High School, 130 Highland Drive, Port Hope, ON” dated August 31, 2023, Pinchin file 315813.000.

3.0 FINDINGS

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

3.1 Asbestos

The following table summarizes the materials evaluated for asbestos in the assessed area. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI.

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Approximate Total Quantity Present	Notes
V0003	Plaster on wall	None Detected	No	600 SF	
V0010	12” x 12” Off white vinyl floor tile with grey streaks	Chrysotile	Yes	150 SF	
V0023	12” x 12” Grey vinyl floor tile with white streaks	Chrysotile	Yes	150 SF	



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February 28, 2024

Pinchin File: 335495.027

REVISED

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Approximate Total Quantity Present	Notes
V0119	Chalkboard & Corkboard mastic	None Detected	No	600 SF	
S0138 ABC	Baseboard adhesive	None Detected	No	30 LF	
S0139 ABC	Drywall joint compound on wall	Chrysotile	Yes	600 SF	
S0140 ABC	12" x 12" green vinyl floor tiles with white streaks	Chrysotile	Yes	1000 SF	
S0141 ABC	12" x 12" white vinyl floor tiles with green streaks	Chrysotile	Yes	1000 SF	
S0142 ABC	Grey caulking on door frame	Chrysotile	Yes	20 SF	
V0148	Beige paint on masonry	Chrysotile	Yes	200 SF	
S0158 ABC	Drywall joint compound on wall	Chrysotile	Yes	800 SF	
S0159 ABC	White paint on block wall	Chrysotile	Yes	1500 SF	
S0160 ABC	White paint on block walls	Chrysotile	Yes	1500 SF	
S0161 ABC	White paint on block walls	Chrysotile	Yes	1750 SF	
S0162 ABC	White paint on block wall	Chrysotile	Yes	1800 SF	
S0163 ABC	12" x 12" white mottled vinyl floor tile	None Detected	No	1100 SF	
S0164 ABC	Mastic behind vinyl baseboard	None Detected	No	4000 SF	
S0165 ABC	Grey caulking around windows	None Detected	No	260 LF	
S0166 ABC	Adhesive/mastic beneath ceiling tiles	[None]	[No]	3100 SF	See Site Specific Note 1.
S0167 ABC	Ceiling Ceiling tiles (glue-on)	Amosite	Yes	3100 SF	



Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Approximate Total Quantity Present	Notes
S0168 ABC	9" x 9" vinyl floor tile	Chrysotile	Yes	1500 SF	See Site Specific Note 2.
S0169 ABC	Floor Vinyl Floor Tile	Chrysotile	Yes	1000 SF	
S0170 ABC	Mastic behind baseboard	None Detected	No	21 SF	
S0171 ABC	Mastic on sink bottom	Chrysotile	Yes	1 EA	
V0000	Ceiling Ceiling Tiles (lay-in)	None	No	3300 SF	

Site Specific Notes:

1. Sample of mastic also contained ceiling tile. The tile contains asbestos, mastic does not.
2. Sample S0168A had an additional phase. Phase C was a homogeneous, light grey, consolidated, vinyl floor tile containing chrysotile asbestos. The material was note observed and may be remnants from a prior renovation.

General Notes:

1. Materials identified as Sample Number V9500 were either observed to be present or based on the construction of the building/equipment are likely present in concealed locations. These materials have not been sampled and are presumed to contain asbestos based on historical known use of asbestos. Sampling of these materials may be completed prior to disturbance.
2. Materials identified as Sample Number V0000 were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

3.1.1 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven to be non-asbestos by sampling and analysis:

- Floor levelling compound
- Electrical components
- Adhesives and duct mastics



- Paper products
- Fire resistant doors
- Sealants on pipe threads

3.2 Lead

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

The following table summarizes the analytical results of paints sampled.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Approximate Quantity Present	Notes
V0029	Beige paint on masonry	0.16%	Yes	1100 SF	
L0034	Beige paint on drywall	0.017%	Yes	600 SF	
L0037	White paint on drywall	0.030%	Yes	800 SF	See Site Specific Note 1.
V0038	White paint on block wall	0.003%	No	6250 SF	
L0039	Blue paint on various metal pieces	0.041%	Yes	180 SF	See Site Specific Note 1.
L0040	Light blue paint on metal door frames	0.043%	Yes	20 SF	See Site Specific Note 1.
V9500	White paint on duct	Presumed Lead Containing, >0.1%	Yes	20 SF	
V9500	White paint on radiator	Presumed Lead Containing, >0.1%	Yes	10 SF	
V9500	Black paint on metal door and frame Grey paint on electrical panel door	Presumed Lead containing, >0.1%	Yes	33 SF	

Site Specific Notes:

1. Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.



- 2. Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

General Notes:

- 1. Paints identified as Sample Number V9500 were observed to be present and have not been sampled and based on the construction of the building/equipment are assumed to contain lead. Sampling of these materials may be completed prior to disturbance.

3.2.1 Excluded Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections

3.3 Silica

Crystalline silica is a presumed component of the following materials:

- Poured and pre-cast concrete
- Masonry and mortar

3.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on mercury-containing products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Approximate Quantity Present	Notes
V9000	Light Fixture	Yes	216 EA	

General Notes:

- 1. Items identified as Sample Number V9000 were observed to be present and were determined to contain mercury based on visual observation (e.g., labelled lamps).

3.5 Polychlorinated Biphenyls

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on PCB-products including their locations and quantities.



Sample Number	Material Description	Concentration	Confirmed Hazard	Total Approximate Quantity Present	Notes
P0008	Grey Caulking Near Windows	<0.2mg/kg	No	300 LF	
V9500	Grey caulking around door frames		Yes	20 SF	

General Notes:

1. Caulking in the table above is considered a non-PCB solid based on the threshold (50 mg/kg). Since the concentration is significantly below this amount then the caulking is a non-PCB solid.

3.5.1 Excluded PCB Materials

PCBs are known to be present in several materials and equipment which were not assessed or sampled. The following materials, where found, should be presumed to contain PCBs until sampling proves otherwise.

- Capacitors within or associated with electrical equipment.

3.6 Mould and Water Damage

Visible mould growth and water damage was not found during the assessment.

4.0 METHODOLOGY

Pinchin conducted a limited assessment to identify the hazardous building materials as defined in the scope.

The assessment included limited destructive testing of wall and ceiling finishes (drywall or acoustic ceiling tiles) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring was conducted where possible (vinyl floor tiles) Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.

For further details on the methodology including test methods and evaluation criteria, refer to Appendix III.



5.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
11. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
12. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.

6.0 LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the Master Service Agreement for PUR19-006-RFP effective April 1, 2019, until March 31, 2024.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.



7.0 CLOSURE

The data presented in the appendices is prepared by Pinchin's Hazardous Materials Inventory System (HMIS). The information contained within this report was current at the time of this report issue, and is provided as a summary; however, HMIS should be accessed for the most current data.

Contact the undersigned should you have any questions.

Sincerely,

Pinchin Ltd.

Prepared by:

Project Managed by:

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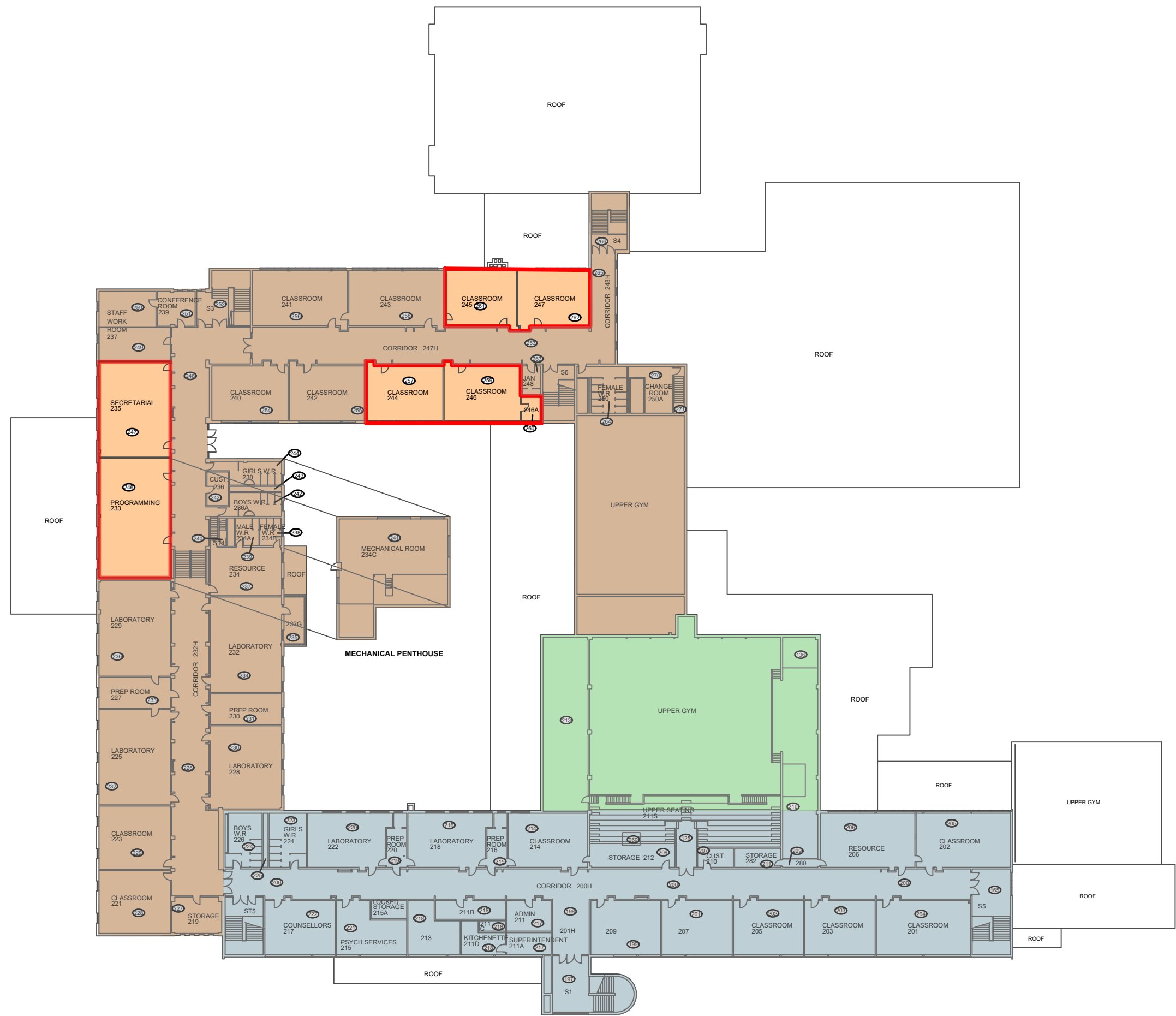
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| Encl: | APPENDIX I | Drawings |
| | APPENDIX II-A | Asbestos Analytical Certificates |
| | APPENDIX II-B | Lead Analytical Certificates |
| | APPENDIX II-C | PCB Analytical Certificates |
| | APPENDIX III | Methodology |
| | APPENDIX IV | Location Summary Report |
| | APPENDIX V | Hazardous Materials Summary Report / Sample Log |
| | APPENDIX VI | All Data Report |
| | APPENDIX VII | Photographs |

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Template: Master Template HBMA PreConstruction, HMIS, HAZ, April 18, 2023

APPENDIX I
Drawings



- LEGEND**
- (X) PINCHIN LOCATION NUMBER
 - ASSESSED AREA
 - OUTSIDE ASSESSMENT SCOPE
 - 1955 PHASE OF CONSTRUCTION
 - 1962 PHASE OF CONSTRUCTION
 - 1970 PHASE OF CONSTRUCTION

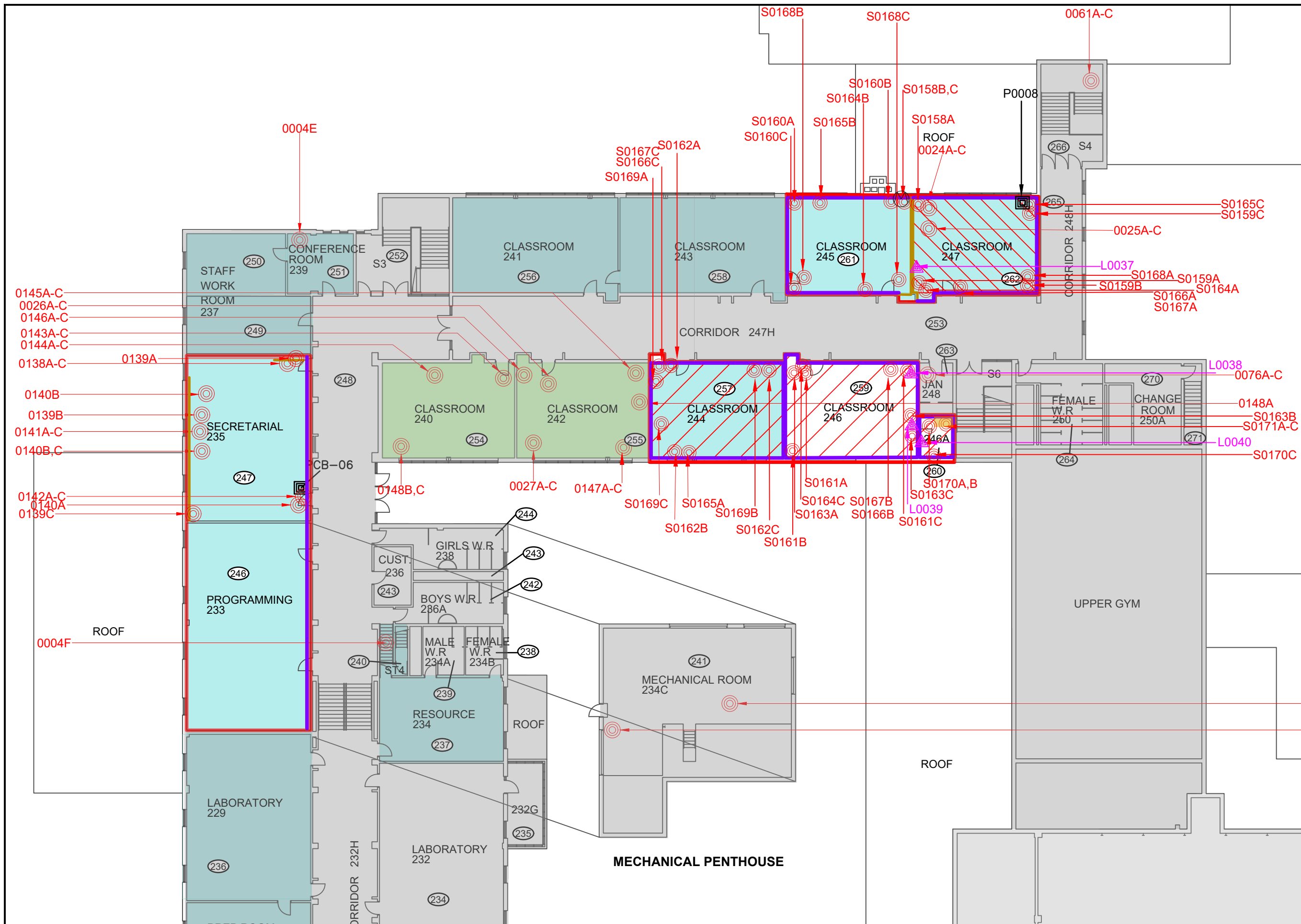
NOT ALL KNOWN OR SUSPECTED ASBESTOS-CONTAINING BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.


LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.










PROJECT NAME: HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRECONSTRUCTION)	
CLIENT NAME: KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD	
PROJECT LOCATION: PORT HOPE SECONDARY SCHOOL 130 HIGHLAND DRIVE PORT HOPE, ONTARIO	
FIGURE NAME: SECOND FLOOR PHASES OF CONSTRUCTION	
PROJECT NUMBER: 335495.027	SCALE: NOT TO SCALE
DRAWN BY: RN	REVIEWED BY: NR
DATE: FEBRUARY 2024	FIGURE NUMBER: 1 OF 2










N



LEGEND

-  PINCHIN LOCATION NUMBER
-  ASSESSED AREA
-  OUTSIDE ASSESSMENT SCOPE
-  ASBESTOS BULK SAMPLE
-  LEAD BULK SAMPLE
-  PCB BULK SAMPLE
-  VERMICULITE DRILLHOLE

ASBESTOS-CONTAINING MATERIALS:

-  VINYL FLOOR TILES
-  ACOUSTIC CEILING TILES
-  JOINT COMPOUND ON WALLS
-  PAINT/PRIMER
-  MASTIC


FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS, ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

-  CAULKING ON WINDOW AND DOOR FRAMES
-  CHALKBOARD AND TACKBOARD MASTICS

NOT ALL KNOWN OR SUSPECTED ASBESTOS-CONTAINING BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

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BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRECONSTRUCTION)

CLIENT NAME:
KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD

PROJECT LOCATION:
PORT HOPE SECONDARY SCHOOL
130 HIGHLAND DRIVE
PORT HOPE, ONTARIO

FIGURE NAME:
SECOND FLOOR SAMPLE LOCATIONS

PROJECT NUMBER: 335495.027	SCALE: NOT TO SCALE
DRAWN BY: RN	REVIEWED BY: NR
DATE: FEBRUARY 2024	FIGURE NUMBER: 2 OF 2

APPENDIX II-A
Asbestos Analytical Certificates



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S001A	Texture coat - V5B	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_1	texture coat only				Crushed
S001B	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_2	texture coat only				Crushed
S001C	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_3	texture coat only				Crushed
S001D	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_4	texture coat only				Crushed
S001E	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_5	texture coat only				Crushed
S001F	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_6	texture coat only				Crushed
S001G	Texture coat - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_7	texture coat only				Crushed
S002A - A	Plaster (Original Phase) - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_8	finish				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Sharon Donald (298)

Analyst

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S002A - B	Plaster (Original Phase) - 100H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_185	base				Crushed
S002B - A	Plaster (Original Phase) - 111	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_9	finish				Crushed
S002B - B	Plaster (Original Phase) - 111	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_186	base				Crushed
S002C - A	Plaster (Original Phase) - 100H	None Detected		100% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_10	finish				Crushed
S002C - B	Plaster (Original Phase) - 100H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_187	base				Crushed
S002D - A	Plaster (Original Phase) - 100H	None Detected		100% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_11	finish				Crushed
S002D - B	Plaster (Original Phase) - 100H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_188	base				Crushed
S002E - A	Plaster (Original Phase) - 160H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_12	finish				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

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Analyst

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S002E - B	Plaster (Original Phase) - 160H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_189	base				Crushed
S002F - A	Plaster (Original Phase) - 100H	None Detected		100% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_13	finish				Crushed
S002F - B	Plaster (Original Phase) - 100H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_190	base				Crushed
S002G - A	Plaster (Original Phase) - 100H	None Detected		100% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_14	finish				Crushed
S002G - B	Plaster (Original Phase) - 100H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_191	base				Crushed
S003A - A	Plaster - Corridor 137H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_15	finish				Crushed
S003A - B	Plaster - Corridor 137H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_192	base-small sample				Crushed
S003B	Plaster - Corridor 137H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_16	single layer				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Sharon Donald (298)

Analyst

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S003C - A	Plaster - Corridor 137H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_17	finish				Crushed
S003C - B	Plaster - Corridor 137H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_193	base- small sample				Crushed
S003D - A	Plaster - Corridor 137H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_18	finsih				Crushed
S003D - B	Plaster - Corridor 137H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_194	base				Crushed
S003E - A	Plaster - Corridor 149H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_19	finsih				Crushed
S003E - B	Plaster - Corridor 149H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_195	base				Crushed
S003F - A	Plaster - Corridor 149H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_20	finsih				Crushed
S003F - B	Plaster - Corridor 149H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_196	base				Crushed

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Sharon Donald (298)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S003G - A	Plaster - Corridor 149H	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_21	<i>finsih</i>				Crushed
S003G - B	Plaster - Corridor 149H	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1014926PLM_197	<i>base</i>				Crushed
S004A	Drywall - Corridor 141H	4% Chrysotile		96% Other	Cream Non Fibrous Homogeneous
1014926PLM_22					Teased
S004B	Drywall - Corridor 141H	Not Analyzed			
1014926PLM_23					
S004C	Drywall - Corridor 141H	Not Analyzed			
1014926PLM_24					
S004D	Drywall - Corridor 141H	Not Analyzed			
1014926PLM_25					
S004E	Drywall - Room 239	Not Analyzed			
1014926PLM_26					
S004F	Drywall - 2nd floor stairwell S1	Not Analyzed			
1014926PLM_27					

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Analysis ID: 1014926PLM

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S004G	Drywall - Stairwell S7 - (Loc 240)	Not Analyzed			
1014926PLM_28					
S005A	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_29					Teased
S005B	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_30					Teased
S005C	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_31					Teased
S006A	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_32					Teased
S006B	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_33					Teased
S006C	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_34					Teased
S007A	Parging cement - Corridor 141H	40% Chrysotile		60% Other	White Fibrous Homogeneous
1014926PLM_35					Dissolved, Teased

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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S007B	Parging cement - Corridor 141H	Not Analyzed			
1014926PLM_36					
S007C	Parging cement - Corridor 141H	Not Analyzed			
1014926PLM_37					
S008A	AT05 - 1 x 1 Pinhole - Corridor 160H	5% Amosite	55% Mineral Wool 30% Cellulose	10% Other	White Fibrous Heterogeneous
1014926PLM_38					Teased
S008B	AT05 - 1 x 1 Pinhole - Corridor 160H	Not Analyzed			
1014926PLM_39					
S008C	AT05 - 1 x 1 Pinhole - Corridor 160H	Not Analyzed			
1014926PLM_40					
S009A	AT06 - 1 x 1 Uniform pinhole - Vestibule 159	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_41					Teased
S009B	AT06 - 1 x 1 Uniform pinhole - Vestibule 159	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_42					Teased
S009C	AT06 - 1 x 1 Uniform pinhole - Vestibule 159	None Detected	60% Mineral Wool 30% Cellulose	10% Other	White, Gray Fibrous Heterogeneous
1014926PLM_43					Teased

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Analysis ID: 1014926PLM

Date Received: 12/17/2010

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S010A - A	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	4% Chrysotile		96% Other	White, Gray Non Fibrous Heterogeneous
1014926PLM_44	tile				Dissolved
S010A - B	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1014926PLM_198	mastic				Dissolved
S010B - A	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	Not Analyzed			
1014926PLM_45	tile				
S010B - B	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	Not Analyzed			
1014926PLM_199	mastic				
S010C - A	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	Not Analyzed			
1014926PLM_46	tile				
S010C - B	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111	Not Analyzed			
1014926PLM_200	mastic				
S011A - A	Vinyl floor tile - 12 x 12 Light green with green and white steaks - Classroom 119	3% Chrysotile		97% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_47	tile				Dissolved
S011A - B	Vinyl floor tile - 12 x 12 Light green with green and white steaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_201	mastic				Dissolved

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Bulk Asbestos Analysis

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S011B - A	Vinyl floor tile - 12 x 12 Light green with green and white streaks - Classroom 119	Not Analyzed			
1014926PLM_48	tile				
S011B - B	Vinyl floor tile - 12 x 12 Light green with green and white streaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_202	mastic				Dissolved
S011C - A	Vinyl floor tile - 12 x 12 Light green with green and white streaks - Classroom 119	Not Analyzed			
1014926PLM_49	tile				
S011C - B	Vinyl floor tile - 12 x 12 Light green with green and white streaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_203	mastic				Dissolved
S012A - A	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	3% Chrysotile		97% Other	Green Non Fibrous Heterogeneous
1014926PLM_50	tile				Dissolved
S012A - B	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_204	mastic				Dissolved
S012B - A	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	Not Analyzed			
1014926PLM_205	tile-not on coc				
S012B - B	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_206	mastic-not on coc				Dissolved

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S012C - A	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	Not Analyzed			
1014926PLM_207	tile-not on coc				
S012C - B	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_208	mastic-not on coc				
S013A	Texture coat - Room 127	None Detected		80% Other 20% Vermiculite	White, Gray Non Fibrous Heterogeneous
1014926PLM_51					
S013B	Texture coat - Room 127	None Detected		80% Other 20% Vermiculite	White, Gray Non Fibrous Heterogeneous
1014926PLM_52					
S013C	Texture coat - Room 127	None Detected		80% Other 20% Vermiculite	White, Gray Non Fibrous Heterogeneous
1014926PLM_53					
S013D	Texture coat - Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_54					
S013E	Texture coat - Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_55					
S013F	Texture coat - Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_56					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S013G	Texture coat - Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_57					Crushed
S014A - A	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	6% Chrysotile		94% Other	Cream, Brown Non Fibrous Heterogeneous
1014926PLM_58	tile				Dissolved
S014A - B	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_209	mastic				Dissolved
S014B - A	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	Not Analyzed			
1014926PLM_59	tile				
S014B - B	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_210	mastic				Dissolved
S014C - A	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	Not Analyzed			
1014926PLM_60	tile				
S014C - B	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_211	mastic				Dissolved
S015A - A	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	6% Chrysotile		94% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_61	tile				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S015A - B	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_212	mastic				
S015B - A	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	Not Analyzed			
1014926PLM_62	tile				
S015B - B	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_213	mastic				
S015C - A	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	Not Analyzed			
1014926PLM_63	tile				
S015C - B	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_214	mastic				
S016A - A	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	8% Chrysotile		92% Other	White, Brown Non Fibrous Heterogeneous
1014926PLM_64	tile				
S016A - B	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_215	mastic				
S016B - A	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	Not Analyzed			
1014926PLM_65	tile				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S016B - B	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_216	mastic				
S016C - A	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	Not Analyzed			
1014926PLM_66	tile				
S016C - B	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_217	mastic				
S017A - A	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_67	tile				
S017A - B	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_218	mastic				
S017B - A	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_68	tile				
S017B - B	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	Insufficient Sample			
1014926PLM_219	mastic				
S017C - A	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	None Detected		100% Other	White Non Fibrous Heterogeneous
1014926PLM_69	tile				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S017C - B	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_220	mastic				Dissolved
S018A - A	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	5% Chrysotile		95% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_70	tile				Dissolved
S018A - B	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_221	mastic				Dissolved
S018B - A	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	Not Analyzed			
1014926PLM_71	tile				
S018B - B	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_222	mastic				Dissolved
S018C - A	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	Not Analyzed			
1014926PLM_72	tile				
S018C - B	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_223	mastic				Dissolved
S019A - A	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	6% Chrysotile		94% Other	Red, White Non Fibrous Heterogeneous
1014926PLM_73	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S019A - B	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_224	mastic				
S019B - A	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	Not Analyzed			
1014926PLM_74	tile				
S019B - B	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_225	mastic				
S019C - A	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	Not Analyzed			
1014926PLM_75	tile				
S019C - B	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_226	mastic				
S020A - A	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	5% Chrysotile		95% Other	Pink, White Non Fibrous Heterogeneous
1014926PLM_76	tile				
S020A - B	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_227	mastic				
S020B - A	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	Not Analyzed			
1014926PLM_77	tile				

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Analyst

Nathaniel Durham, MS or Approved Signatory



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Lab Sample ID	Lab Notes				Treatment
S020B - B	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_228	mastic				
S020C - A	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	Not Analyzed			
1014926PLM_78	tile				
S020C - B	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_229	mastic				
S021A - A	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	8% Chrysotile		92% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_79	tile				
S021A - B	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_230	mastic				
S021B - A	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	Not Analyzed			
1014926PLM_80	tile				
S021B - B	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_231	mastic				
S021C - A	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	Not Analyzed			
1014926PLM_81	tile				

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Lab Sample ID	Lab Notes				Treatment
S021C - B	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_232	mastic				Dissolved
S022A - A	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	3% Chrysotile		97% Other	Beige, Brown Non Fibrous Heterogeneous
1014926PLM_82	tile				Dissolved
S022A - B	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_233	mastic				Dissolved
S022B - A	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	Not Analyzed			
1014926PLM_83	tile				
S022B - B	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_234	mastic				Dissolved
S022C - A	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	Not Analyzed			
1014926PLM_84	tile				
S022C - B	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_235	mastic				Dissolved
S023A - A	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	4% Chrysotile		96% Other	White, Gray Non Fibrous Heterogeneous
1014926PLM_85	tile				Dissolved

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Lab Sample ID	Lab Notes				Treatment
S023A - B	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	None Detected	3% Cellulose	97% Other	Black Non Fibrous Homogeneous
1014926PLM_236	mastic				Dissolved
S023B - A	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	Not Analyzed			
1014926PLM_86	tile				
S023B - B	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	None Detected	3% Cellulose	97% Other	Black Non Fibrous Homogeneous
1014926PLM_237	mastic				Dissolved
S023C - A	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	Not Analyzed			
1014926PLM_87	tile				
S023C - B	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147	None Detected	3% Cellulose	97% Other	Black Non Fibrous Homogeneous
1014926PLM_238	mastic				Dissolved
S024A - A	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	3% Chrysotile		97% Other	White Non Fibrous Heterogeneous
1014926PLM_88	tile				Dissolved
S024A - B	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_239	mastic-thin layer				Dissolved
S024B - A	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	Not Analyzed			
1014926PLM_89	tile				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S024B - B	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_240	mastic-thin layer				
S024C - A	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	Not Analyzed			
1014926PLM_90	tile				
S024C - B	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_241	mastic-thin layer				
S025A - A	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	5% Chrysotile		95% Other	Yellow Non Fibrous Heterogeneous
1014926PLM_91	tile				
S025A - B	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_242	mastic-thin layer				
S025B - A	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	Not Analyzed			
1014926PLM_92	tile				
S025B - B	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_243	mastic-thin layer				
S025C - A	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	Not Analyzed			
1014926PLM_93	tile				

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Lab Sample ID	Lab Notes				Treatment
S025C - B	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_244	mastic-thin layer				Dissolved
S026A - A	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	6% Chrysotile		94% Other	Brown Non Fibrous Heterogeneous
1014926PLM_94	tile				Dissolved
S026A - B	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_245	mastic				Dissolved
S026B - A	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	Not Analyzed			
1014926PLM_95	tile				
S026B - B	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_246	mastic				Dissolved
S026C - A	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	Not Analyzed			
1014926PLM_96	tile				
S026C - B	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_247	mastic				Dissolved
S027A - A	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	8% Chrysotile		92% Other	White, Gray Non Fibrous Heterogeneous
1014926PLM_97	tile				Dissolved

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Lab Sample ID	Lab Notes				Treatment
S027A - B	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_248	mastic				
S027B - A	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	Not Analyzed			
1014926PLM_98	tile				
S027B - B	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_249	mastic				
S027C - A	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	Not Analyzed			
1014926PLM_99	tile				
S027C - B	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_250	mastic				
S028A	Plaster - Boiler Room 139 Ceiling	None Detected		70% 30% Other Perlite	White, Gray Non Fibrous Heterogeneous
1014926PLM_100	painted single layer				
S028B	Plaster - Boiler Room 139 Ceiling	None Detected		70% 30% Other Perlite	White, Gray Non Fibrous Heterogeneous
1014926PLM_101	painted single layer				
S028C	Plaster - Boiler Room 139 Ceiling	None Detected		70% 30% Other Perlite	White, Gray Non Fibrous Heterogeneous
1014926PLM_102	painted single layer				

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S028D	Plaster - Boiler Room 139 Ceiling	None Detected		70% 30%	Other Perlite	White, Gray Non Fibrous Heterogeneous
1014926PLM_103						Crushed
S028E	Plaster - Boiler Room 139 Ceiling	None Detected		70% 30%	Other Perlite	White, Gray Non Fibrous Heterogeneous
1014926PLM_104						Crushed
S028F	Plaster - Stairwell S3	None Detected		70% 30%	Other Perlite	Green, White, Gray Non Fibrous Heterogeneous
1014926PLM_105						Crushed
S028G	Plaster - Stairwell S3	None Detected		70% 30%	Other Perlite	Green, White, Gray Non Fibrous Heterogeneous
1014926PLM_106						Crushed
S029A	Parging Cement - Room 147A - Loc 21	35% Chrysotile		65%	Other	Gray Fibrous Homogeneous
1014926PLM_107						Dissolved, Teased
S029B	Parging Cement - Room 147A - Loc 21	Not Analyzed				
1014926PLM_108						
S029C	Parging Cement - Room 147A - Loc 21	Not Analyzed				
1014926PLM_109						
S030A	Paper - Storage (Loc 37)	60% Chrysotile	30% Cellulose	10%	Other	White Fibrous Homogeneous
1014926PLM_110						Teased

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S030B	Paper - Storage (Loc 37)	Not Analyzed			
1014926PLM_111					
S030C	Paper - Storage (Loc 37)	Not Analyzed			
1014926PLM_112					
S031A	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)	3% Chrysotile	60% Mineral Wool 20% Cellulose	17% Other	Pink, Tan Fibrous Heterogeneous
1014926PLM_113					Teased
S031B	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)	Not Analyzed			
1014926PLM_114					
S031C	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)	Not Analyzed			
1014926PLM_115					
S032A - A	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	3% Chrysotile		97% Other	White, Brown Non Fibrous Heterogeneous
1014926PLM_116	tile				Dissolved
S032A - B	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_251	mastic				Dissolved
S032B - A	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	Not Analyzed			
1014926PLM_117	tile				

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S032B - B	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_252	mastic				
S032C - A	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	Not Analyzed			
1014926PLM_118	tile				
S032C - B	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)	Insufficient Sample			
1014926PLM_253	mastic				
S033A	Duct paper - Mechanical Room NGM - (Loc 114)	60% Chrysotile	30% Cellulose	10% Other	White Fibrous Heterogeneous
1014926PLM_119					Teased
S033B	Duct paper - Mechanical Room NGM - (Loc 114)	Not Analyzed			
1014926PLM_120					
S033C	Duct paper - Mechanical Room NGM - (Loc 114)	Not Analyzed			
1014926PLM_121					
S034A	Aircell - Mechanical Room NGM - (Loc. 114)	55% Chrysotile	30% Cellulose	15% Other	White, Gray Fibrous Heterogeneous
1014926PLM_122					Teased
S034B	Aircell - Mechanical Room NGM - (Loc. 114)	Not Analyzed			
1014926PLM_123					

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Lab Sample ID	Lab Notes				Treatment
S034C	Aircell - Mechanical Room NGM - (Loc. 114)	Not Analyzed			
1014926PLM_124					
S035A	Tar paper on duct - Mechanical Room - (Loc. 114)	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Heterogeneous
1014926PLM_125					Dissolved
S035B	Tar paper on duct - Mechanical Room - (Loc. 114)	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Heterogeneous
1014926PLM_126					Dissolved
S035C	Tar paper on duct - Mechanical Room - (Loc. 114)	None Detected	10% Fiber Glass 5% Cellulose	85% Other	Black Non Fibrous Heterogeneous
1014926PLM_127					Dissolved
S036A - A	Sweatwrap on rain water leader - Corridor 149H (Loc. 24)	4% Chrysotile	90% Cellulose	6% Other	Brown Fibrous Heterogeneous
1014926PLM_128	paper				Teased
S036A - B	Sweatwrap on rain water leader - Corridor 149H (Loc. 24)	None Detected	70% Cellulose	30% Other	Black Fibrous Heterogeneous
1014926PLM_254	felt				Dissolved, Teased
S036B - A	Sweatwrap - Corridor 149H (Loc. 24)	Not Analyzed			
1014926PLM_129	paper				
S036B - B	Sweatwrap - Corridor 149H (Loc. 24)	None Detected	70% Cellulose	30% Other	Black Fibrous Heterogeneous
1014926PLM_255	felt				Dissolved, Teased

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Sharon Donald (298)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S036C - A	Sweatwrap - Corridor 149H (Loc. 24)	Not Analyzed			
1014926PLM_130	paper				
S036C - B	Sweatwrap - Corridor 149H (Loc. 24)	None Detected	70% Cellulose	30% Other	Black Fibrous Heterogeneous
1014926PLM_256	felt				
S037A - A	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	5% Chrysotile		95% Other	Gray Non Fibrous Heterogeneous
1014926PLM_131	tile				
S037A - B	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_257	mastic				
S037B - A	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_132	tile				
S037B - B	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_258	mastic				
S037C - A	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_133	tile				
S037C - B	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_259	mastic				

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Analysis ID: 1014926PLM

Date Received: 12/17/2010

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S038A - A	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	5% Chrysotile		95% Other	Yellow Non Fibrous Heterogeneous
1014926PLM_134	tile				Dissolved
S038A - B	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1014926PLM_260	mastic				Dissolved
S038B - A	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_135	tile				
S038B - B	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_261	mastic				
S038C - A	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_136	tile				
S038C - B	Vinyl floor tile - 9 x 9 Yellow with grey and white streaks - Room SG8 - (Loc 133)	Not Analyzed			
1014926PLM_262	mastic				
S039A	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)	5% Chrysotile	80% Mineral Wool	15% Other	White, Gray Fibrous Heterogeneous
1014926PLM_137					Teased
S039B	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)	Not Analyzed			
1014926PLM_138					

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S039C	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)	Not Analyzed			
1014926PLM_139					
S040A - A	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	5% Chrysotile	90% Cellulose	5% Other	Brown Fibrous Heterogeneous
1014926PLM_140	paper				
S040A - B	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	20% Chrysotile	60% Cellulose	20% Other	Black Fibrous Heterogeneous
1014926PLM_263	felt				
S040B - A	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	Not Analyzed			
1014926PLM_141	paper				
S040B - B	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	Not Analyzed			
1014926PLM_264	felt				
S040C - A	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	Not Analyzed			
1014926PLM_142	paper				
S040C - B	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)	Not Analyzed			
1014926PLM_265	felt				
S041A	Texture coat - Stairwell S1 - (Loc. 197)	None Detected		70% Other 30% Vermiculite	White Non Fibrous Heterogeneous
1014926PLM_143					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S041B	Texture coat - Stairwell S1 - (Loc. 197)	None Detected		70% Other 30% Vermiculite	White Non Fibrous Heterogeneous
1014926PLM_144					Crushed
S041C	Texture coat - Stairwell S1 - (Loc. 197)	None Detected		70% Other 30% Vermiculite	White Non Fibrous Heterogeneous
1014926PLM_145					Crushed
S042A - A	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	5% Chrysotile		95% Other	Black, White Non Fibrous Heterogeneous
1014926PLM_146	tile				Crushed
S042A - B	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_266	mastic				Dissolved
S042B - A	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	Not Analyzed			
1014926PLM_147	tile				
S042B - B	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	Not Analyzed			
1014926PLM_267	mastic				
S042C - A	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	Not Analyzed			
1014926PLM_148	tile				
S042C - B	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)	Not Analyzed			
1014926PLM_268	mastic				

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Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S043A - A	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	5% Chrysotile		95% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_149	tile				
S043A - B	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_269	mastic-small sample				
S043B - A	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_150	tile				
S043B - B	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_270	mastic				
S043C - A	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_151	tile				
S043C - B	Vinyl floor tile - 9 x 9 Light blue with white streaks - Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_271	mastic				
S044A - A	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	5% Chrysotile		95% Other	Blue, White Non Fibrous Heterogeneous
1014926PLM_152	tile				
S044A - B	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1014926PLM_272	mastic				

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Lab Sample ID	Lab Notes				Treatment
S044B - A	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_153	tile				
S044B - B	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_273	mastic				
S044C - A	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_154	tile				
S044C - B	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)	Not Analyzed			
1014926PLM_274	mastic				
S045A - A	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	5% Chrysotile		95% Other	Yellow, White Non Fibrous Heterogeneous
1014926PLM_155	tile				Dissolved
S045A - B	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_275	mastic				Dissolved
S045B - A	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	Not Analyzed			
1014926PLM_156	tile				
S045B - B	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	Not Analyzed			
1014926PLM_276	mastic				

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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S045C - A	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	Not Analyzed			
1014926PLM_157	tile				
S045C - B	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)	Not Analyzed			
1014926PLM_277	mastic				
S046A - A	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	8% Chrysotile		92% Other	White, Black Non Fibrous Heterogeneous
1014926PLM_158	tile				Dissolved
S046A - B	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_278	mastic				Dissolved
S046B - A	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	Not Analyzed			
1014926PLM_159	tile				
S046B - B	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	Not Analyzed			
1014926PLM_279	mastic				
S046C - A	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	Not Analyzed			
1014926PLM_160	tile				
S046C - B	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)	Not Analyzed			
1014926PLM_280	mastic				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S047A - A	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	5% Chrysotile		95% Other	Yellow, Brown Non Fibrous Heterogeneous
1014926PLM_161	tile				Dissolved
S047A - B	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1014926PLM_281	mastic				Dissolved
S047B - A	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	Not Analyzed			
1014926PLM_162	tile				
S047B - B	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	Not Analyzed			
1014926PLM_282	mastic				
S047C - A	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	Not Analyzed			
1014926PLM_163	tile				
S047C - B	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201	Not Analyzed			
1014926PLM_283	mastic				
S048A - A	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	5% Chrysotile		95% Other	Green, White Non Fibrous Heterogeneous
1014926PLM_164	tile				Dissolved
S048A - B	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	8% Chrysotile		92% Other	Black Non Fibrous Homogeneous
1014926PLM_284	mastic				Dissolved

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Lab Sample ID	Lab Notes				Treatment
S048B - A	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	Not Analyzed			
1014926PLM_165	tile				
S048B - B	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	Not Analyzed			
1014926PLM_285	mastic				
S048C - A	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	Not Analyzed			
1014926PLM_166	tile				
S048C - B	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201	Not Analyzed			
1014926PLM_286	mastic				
S049A - A	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	8% Chrysotile		92% Other	Pink Non Fibrous Heterogeneous
1014926PLM_167	tile				Dissolved
S049A - B	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	10% Chrysotile		90% Other	Black Non Fibrous Homogeneous
1014926PLM_287	mastic				Dissolved
S049B - A	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	Not Analyzed			
1014926PLM_168	tile				
S049B - B	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	Not Analyzed			
1014926PLM_288	mastic				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S049C - A	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	Not Analyzed			
1014926PLM_169	tile				
S049C - B	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202	Not Analyzed			
1014926PLM_289	mastic				
S050A - A	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	5% Chrysotile		95% Other	Red, White Non Fibrous Heterogeneous
1014926PLM_170	tile				Dissolved
S050A - B	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	None Detected	3% Cellulose	97% Other	Black Non Fibrous Homogeneous
1014926PLM_290	mastic				Dissolved
S050B - A	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	Not Analyzed			
1014926PLM_171	tile				
S050B - B	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	Insufficient Sample			
1014926PLM_291	mastic				
S050C - A	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	Not Analyzed			
1014926PLM_172	tile				
S050C - B	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212	None Detected	3% Cellulose	97% Other	Black Non Fibrous Homogeneous
1014926PLM_292	mastic				Dissolved

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Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S051A - A	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	4% Chrysotile		96% Other	Pink, Gray Non Fibrous Heterogeneous
1014926PLM_173	tile				
S051A - B	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1014926PLM_293	mastic				
S051B - A	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	Not Analyzed			
1014926PLM_174	tile				
S051B - B	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	Not Analyzed			
1014926PLM_294	mastic				
S051C - A	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	Not Analyzed			
1014926PLM_175	tile				
S051C - B	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214	Not Analyzed			
1014926PLM_295	mastic				
S052A - A	Vinyl floor tile - Light brown with brown and white streaks - Room 211	4% Chrysotile		96% Other	White, Brown Non Fibrous Heterogeneous
1014926PLM_176	tile				
S052A - B	Vinyl floor tile - Light brown with brown and white streaks - Room 211	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_296	mastic				

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Sharon Donald (298)

Analyst

Scientific Analytical Institute, Inc. 302-L Pomona Dr. Greensboro, NC 27407 (336) 292-3888

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S052B - A	Vinyl floor tile - Light brown with brown and white streaks - Room 211	Not Analyzed			
1014926PLM_177	tile				
S052B - B	Vinyl floor tile - Light brown with brown and white streaks - Room 211	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_297	mastic				
S052C - A	Vinyl floor tile - Light brown with brown and white streaks - Room 211	Not Analyzed			
1014926PLM_178	tile				
S052C - B	Vinyl floor tile - Light brown with brown and white streaks - Room 211	None Detected		100% Other	Black Non Fibrous Homogeneous
1014926PLM_298	mastic				
S053A	Tar paper on duct - Roof	None Detected	30% Cellulose	70% Other	Black Non Fibrous Heterogeneous
1014926PLM_179					
S053B	Tar paper on duct - Roof	None Detected	30% Cellulose	70% Other	Black Non Fibrous Heterogeneous
1014926PLM_180					
S053C	Tar paper on duct - Roof	None Detected	30% Cellulose	70% Other	Black Non Fibrous Heterogeneous
1014926PLM_181					
S054A	Texture coat - Exterior soffit	3% Chrysotile		97% Other	Gray Non Fibrous Heterogeneous
1014926PLM_182					

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Sharon Donald (298)

Analyst

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Environmental Ltd
380 Armour Rd Suite 101
Peterborough, ON K9H 7L7

Attn: Tiffany Smith

Lab Order ID: 1014926

Analysis ID: 1014926PLM

Date Received: 12/17/2010

Date Reported: 1/3/2011

Date Amended: 3/3/2011

Project: KPRDSB-Port Hope High School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S054A	Texture coat - Exterior soffit	Not Analyzed			
1014926PLM_183					
S054A	Texture coat - Exterior soffit	Not Analyzed			
1014926PLM_184					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Sharon Donald (298)

Analyst

Nathaniel Durham, MS or Approved Signatory

1614926

Client:	Pinchin Environmental Ltd.	Instructions: Use Column "B" for your contact info	Scientific Analytical Institute, Inc.
Contact:	Tiffany Smith		
Address:	380 Armour Rd., Suite 101	To See an Example Click the bottom Example Tab.	302-L Pomona Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sallab.com
Phone:	(7050 748-4627		
Fax:	(705) 748-6927	Enter samples between "<<" and ">>" Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"	
Email:	tsmith@pinchin.com		
Project:	KPRDSB - Port Hope High School	Note: Data 1 and Data 2 are optional fields that do not show up on the official report; however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.	
Client Notes:	Stop on positive		
P.O. #:			
Date Submitted:	December 16, 2010		
Analysis:	Asbestos analysis		
TurnAroundTime:	144 Hours +		

Sample Number	Data 1	Sample Description	Data 2
<<			
S001A		Texture coat - V5B	
S001B		Texture coat - 100H	
S001C		Texture coat - 100H	
S001D		Texture coat - 100H	
S001E		Texture coat - 100H	
S001F		Texture coat - 100H	
S001G		Texture coat - 100H	
S002A		Plaster (Original Phase) - 100H	
S002B		Plaster (Original Phase) - 111	
S002C		Plaster (Original Phase) - 100H	
S002D		Plaster (Original Phase) - 100H	
S002E		Plaster (Original Phase) - 160H	
S002F		Plaster (Original Phase) - 100H	
S002G		Plaster (Original Phase) - 100H	
S003A		Plaster - Corridor 137H	
S003B		Plaster - Corridor 137H	
S003C		Plaster - Corridor 137H	
S003D		Plaster - Corridor 137H	

Accepted

Rejected

ACR 12-17
1:30p

1014926

S003E	Plaster - Corridor 149H
S003F	Plaster - Corridor 149H
S003G	Plaster - Corridor 149H
S004A	Drywall - Corridor 141H
S004B	Drywall - Corridor 141H
S004C	Drywall - Corridor 141H
S004D	Drywall - Corridor 141H
S004E	Drywall - Room 239
S004F	Drywall - 2nd floor stairwell S1
S004G	Drywall - Stairwell S7 - (Loc 240)
S005A	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111
S005B	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111
S005C	AT03 - 2' x 4' White Swirl pattern pinhole - Room 111
S006A	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H
S006B	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H
S006C	AT04 - 2' x 4' Textured pinhole with ridges - Corridor 141H
S007A	Parging cement - Corridiro 141H
S007A	Parging cement - Corridiro 141H
S007A	Parging cement - Corridiro 141H
S008A	AT05 - 1 x 1 Pinhole - Corridor 160H
S008B	AT05 - 1 x 1 Pinhole - Corridor 160H
S008C	AT05 - 1 x 1 Pinhole - Corridor 160H
S009A	AT06 - 1 x 1 Uniform pinhole - Vestibule 159
S009B	AT06 - 1 x 1 Uniform pinhole - Vestibule 159
S009C	AT06 - 1 x 1 Uniform pinhole - Vestibule 159
S010A	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111
S010B	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111
S010C	Vinyl floor tile - 12 x 12 Off white with grey streaks - Guidance Room 111
S011A	Vinyl floor tile - 12 x 12 Light green with green and white steaks - Classroom 119
S011B	Vinyl floor tile - 12 x 12 Light green with green and white steaks - Classroom 119
S011C	Vinyl floor tile - 12 x 12 Light green with green and white steaks - Classroom 119
S012A	Vinyl floor tile - 12 x 12 Green with white streaks - Classroom 119
S013A	Texture coat - Room 127
S013B	Texture coat - Room 127
S013C	Texture coat - Room 127
S013D	Texture coat - Room 132
S013E	Texture coat - Room 132

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S013F	Texture coat - Room 132
S013G	Texture coat - Room 132
S014A	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133
S014B	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133
S014C	Vinyl floor tile - 9 x 9 Off white with brown streaks - Classroom 133
S015A	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133
S015B	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133
S015C	Vinyl floor tile - 9 x 9 Green with white streaks - Classroom 133
S016A	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133
S016B	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133
S016C	Vinyl floor tile - 9 x 9 Brown with white streaks - Classroom 133
S017A	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142
S017B	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142
S017C	Vinyl floor tile - 12 x 12 White with black streaks - Classroom 142
S018A	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142
S018B	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142
S018C	Vinyl floor tile - 9 x 9 Lime green with white streaks - Classroom 142
S019A	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135
S019B	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135
S019C	Vinyl floor tile - 9 x 9 Red with red and white streaks - classroom 135
S020A	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135
S020B	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135
S020C	Vinyl floor tile - 12 x 12 White with red streaks - Classroom 135
S021A	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137
S021B	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137
S021C	Vinyl floor tile - 9 x 9 Blue with blue and white streaks - Classroom 137
S022A	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145
S022B	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145
S022C	Vinyl floor tile - 12 x 12 Beige with brown and white streaks - Classroom 145
S023A	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147
S023B	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147
S023C	Vinyl floor tile - 12 x 12 Grey with white streaks - Classroom 147
S024A	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247
S024B	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247
S024C	Vinyl floor tile - 9 x 9 White with rainbow streaks - Classroom 247
S025A	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247
S025B	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247

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S025C	Vinyl floor tile - 9 x 9 Pale green with white streaks - Classroom 247
S026A	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242
S026B	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242
S026C	Vinyl floor tile - 9 x 9 Light brown with brown and white streaks - Classroom 242
S027A	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242
S027B	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242
S027C	Vinyl floor tile - 9 x 9 Grey with white streaks - Classroom 242
S028A	Plaster - Boiler Room 139 Ceiling
S028B	Plaster - Boiler Room 139 Ceiling
S028C	Plaster - Boiler Room 139 Ceiling
S028D	Plaster - Boiler Room 139 Ceiling
S028E	Plaster - Boiler Room 139 Ceiling
S028F	Plaster - Stairwell S3
S028G	Plaster - Stairwell S3
S029A	Parging Cement - Room 147A - Loc 21
S029B	Parging Cement - Room 147A - Loc 21
S029C	Parging Cement - Room 147A - Loc 21
S030A	Paper - Storage (Loc 37)
S030B	Paper - Storage (Loc 37)
S030C	Paper - Storage (Loc 37)
S031A	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)
S031B	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)
S031C	AT12 - White small pinhole swirl pattern - Corridor (Loc 67)
S032A	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)
S032B	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)
S032C	Vinyl floor tile - Off white with brown streaks - Room 142A (Loc 87)
S033A	Duct paper - Mechanical Room NGM - (Loc 114)
S033B	Duct paper - Mechanical Room NGM - (Loc 114)
S033C	Duct paper - Mechanical Room NGM - (Loc 114)
S034A	Aircell - Mechanical Room NGM - (Loc. 114)
S034B	Aircell - Mechanical Room NGM - (Loc. 114)
S034C	Aircell - Mechanical Room NGM - (Loc. 114)
S035A	Tar paper on duct - Mechanical Room - (Loc. 114)
S035B	Tar paper on duct - Mechanical Room - (Loc. 114)
S035C	Tar paper on duct - Mechanical Room - (Loc. 114)
S036A	Sweatwrap on rain water leader - Corridor 149H (Loc. 24)
S036B	Sweatwrap - Corridor 149H (Loc. 24)

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S036C	Sweatwrap - Corridor 149H (Loc. 24)
S037A	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)
S037B	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)
S037C	Vinyl floor tile - 9 x 9 Grey with black and white streaks - Room SG8 - (Loc 133)
S038A	Vinyl floor tile - 9 x 9 Yellow with grey and white straks - Room SG8 - (Loc 133)
S038B	Vinyl floor tile - 9 x 9 Yellow with grey and white straks - Room SG8 - (Loc 133)
S038C	Vinyl floor tile - 9 x 9 Yellow with grey and white straks - Room SG8 - (Loc 133)
S039A	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)
S039B	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)
S039C	Glued-on ceiling tile 1 x 1 Swirl pattern pinhole - Room 106E - (Loc 143)
S040A	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)
S040B	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)
S040C	Sweatwrap on domestic cold water - Foyer V1 (Loc. 164)
S041A	Texture coat - Stairwell S1 - (Loc. 197)
S041B	Texture coat - Stairwell S1 - (Loc. 197)
S041C	Texture coat - Stairwell S1 - (Loc. 197)
S042A	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)
S042B	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)
S042C	Vinyl floor tile - 9 x 9 White with black streaks - Room 209 (Loc 198)
S043A	Vinyl floor tile - 9 x 9 Light bliew with white streaks - Room 209 (Loc. 198)
S043B	Vinyl floor tile - 9 x 9 Light bliew with white streaks - Room 209 (Loc. 198)
S043C	Vinyl floor tile - 9 x 9 Light bliew with white streaks - Room 209 (Loc. 198)
S044A	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)
S044B	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)
S044C	Vinyl floor tile - 9 x 9 Dark blue with white and black streaks Room 209 (Loc. 198)
S045A	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)
S045B	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)
S045C	Vinyl floor tile - 9 x 9 Dark green with white streaks - Room 203 (Loc 203)
S046A	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)
S046B	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)
S046C	Vinyl floor tile - 9 x 9 Black with white streaks - Room 203 (Loc. 203)
S047A	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201
S047B	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201
S047C	Vinyl floor tile - 9 x 9 Brown with yellow and brown streaks - Room 201
S048A	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201
S048B	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201
S048C	Vinyl floor tile - 9 x 9 Deep green with white streaks - Room 201

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S049A	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202
S049B	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202
S049C	Vinyl floor tile - 9 x 9 Pink with black and yellow streaks - Room 202
S050A	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212
S050B	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212
S050C	Vinyl floor tile - 12 x 12 Red with white streaks - Room 212
S051A	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214
S051B	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214
S051C	Vinyl floor tile - 9 x 9 Grey with black, pink, and white streaks - Room 214
S052A	Vinyl floor tile - Light brown with brown and white streaks - Room 211
S052B	Vinyl floor tile - Light brown with brown and white streaks - Room 211
S052C	Vinyl floor tile - Light brown with brown and white streaks - Room 211
S053A	Tar paper on duct - Roof
S053B	Tar paper on duct - Roof
S053C	Tar paper on duct - Roof
S054A	Texture coat - Exterior soffit
S054A	Texture coat - Exterior soffit
S054A	Texture coat - Exterior soffit



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Kawartha Pine Ridge District School Board, Port Hope High School 130 Highland Drive, Port Hope, Ontario		
Project No.:	72034		
Prepared For:	Chris Moose	Date Received:	May 22, 2012
Lab Reference No.:	b89537	Date Analyzed:	June 11, 2012
Analyst(s):	M. Tipgos	# Samples submitted:	9
		# Phases analyzed:	9

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.1% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Atlantic Provinces	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. Supporting laboratory documentation is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
 130 Highland Drive, Port Hope, Ontario
Project No.: 72034
Prepared For: Chris Moose

Lab Reference No.: b89537
Date Analyzed: June 11, 2012

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0055A Drywall Joint Compound - Located in the Gym Storage Room, Location 134	2 Phases: a) Homogeneous, off- white, drywall joint compound.	Chrysotile	0.5-5% Non-Fibrous Material > 75%
	b) Homogeneous, beige, drywall joint compound.	Chrysotile	0.5-5% Non-Fibrous Material > 75%
0055B Drywall Joint Compound - Located in the Gym Storage Room, Location 134			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0055C Drywall Joint Compound - Located in the Gym Storage Room, Location 134			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0056A Drywall Joint Compound - Located in Classroom 103, Location 167	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0056B Drywall Joint Compound - Located in the Gym Storage Room, Location 134	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%

ANALYST

M. Higgan



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
 130 Highland Drive, Port Hope, Ontario
Project No.: 72034
Prepared For: Chris Moose

Lab Reference No.: b89537
Date Analyzed: June 11, 2012

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0056C Drywall Joint Compound - Located in the Gym Storage Room, Location 134	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0057A Plaster - Located in the Gym, Location 119	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required.		
0057B Plaster - Located in the Gym, Location 119	Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
0057C Plaster - Located in the Gym, Location 119	Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST

M. Higgon



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Kawartha Pine Ridge District School Board, Port Hope High School 130 Highland Drive, Port Hope		
Project No.:	101650		
Prepared For:	Mike Wilson	Date Received:	January 26, 2015
Lab Reference No.:	b116031	Date Analyzed:	February 3, 2015
Analyst(s):	A. Williams	# Samples submitted:	27
		# Phases analyzed:	22

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116031

Date Analyzed: February 3, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)		
		ASBESTOS		OTHER
0058A Drywall Joint Compound on Beams in Boiler Room 139A	Homogeneous, beige, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
0058B Drywall Joint Compound on Beams in Boiler Room 139A				Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.			
0058C Drywall Joint Compound on Beams in Boiler Room 139A				Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.			
0059A Plaster Ceiling in Boiler Room 139	Homogeneous, grey, hard, cementitious, plaster.	None Detected		Perlite 10-25% Other Non-Fibrous > 75%
0059B Plaster Ceiling in Boiler Room 139	Homogeneous, grey, hard, cementitious, plaster.	None Detected		Perlite 10-25% Other Non-Fibrous > 75%
0059C Plaster Ceiling in Boiler Room 139	Homogeneous, grey, hard, cementitious, plaster.	None Detected		Perlite 10-25% Other Non-Fibrous > 75%
0060A Drywall Joint Compound on Walls Above Lockers in Corridor 141H	Homogeneous, beige, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%

REVIEWED BY



ANALYST





Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116031

Date Analyzed: February 3, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0060B Drywall Joint Compound on Walls Above Lockers in Corridor 141H			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0060C Drywall Joint Compound on Walls Above Lockers in Corridor 141H			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0061A 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Stairwell ST5	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0061B 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Stairwell ST5	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0061C 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Stairwell ST5	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0062A Drywall Joint Compound - Demising Wall between Room 150 and Room 150C	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%

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ANALYST





Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116031

Date Analyzed: February 3, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0062B Drywall Joint Compound - Demising Wall between Room 150 and Room 150C			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0062C Drywall Joint Compound - Demising Wall between Room 150 and Room 150C			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0063A Sweatwrap on Large Drain - Room 150	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Non-Fibrous Material 0.5-5%
Comments:	Cotton fabric reinforcement is present on the surface of this sample.		
0063B Sweatwrap on Large Drain - Room 150	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Non-Fibrous Material 0.5-5%
Comments:	Cotton fabric reinforcement is present on the surface of this sample.		
0063C Sweatwrap on Large Drain - Room 150	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Non-Fibrous Material 0.5-5%
Comments:	Cotton fabric reinforcement is present on the surface of this sample.		
0064A Millboard - Perimeter of Rooms 150 and 153	Homogeneous, off-white, layered, compressed fibrous material.	Chrysotile 25-50%	Cellulose 50-75% Non-Fibrous Material 0.5-5%

REVIEWED BY

ANALYST



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116031

Date Analyzed: February 3, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0064B Millboard - Perimeter of Rooms 150 and 153			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0064C Millboard - Perimeter of Rooms 150 and 153			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0065A Plaster Ceiling in Vestibule of ST4	Homogeneous, grey, hard, cementitious, plaster.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0065B Plaster Ceiling in Vestibule of ST4	Homogeneous, grey, hard, cementitious, plaster.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0065C Plaster Ceiling in Vestibule of ST4	Homogeneous, grey, hard, cementitious, plaster.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0066A Plaster Debris in Room Under Stairs in ST4	2 Phases:		
	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%

REVIEWED BY

K Koch

ANALYST

Williams



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School
130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116031

Date Analyzed: February 3, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0066B Plaster Debris in Room Under Stairs in ST4	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0066C Plaster Debris in Room Under Stairs in ST4	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%

REVIEWED BY

ANALYST



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board,
Port Hope High School, 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116032

Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0067A 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Corridor 115H Adjacent to Ceiling Mounted Heater Unit	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0067B 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Corridor 115H Adjacent to Ceiling Mounted Heater Unit	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0067C 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, Corridor 115H Adjacent to Ceiling Mounted Heater Unit	Homogeneous, off-white, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 25-50% Fibres Perlite 10-25% Other Non-Fibrous 0.5-5%
0068A Texture Plaster present on lower 4' of wall in Stairwell ST3	2 Phases: a) Homogeneous, white, finishing or texture coat. b) Non-homogeneous, grey and green, soft, cementitious material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board,
Port Hope High School, 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116032

Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0068B Texture Plaster present on lower 4' of wall in Stairwell ST3	2 Phases: a) Homogeneous, white, finishing or texture coat.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, grey and green, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
0068C Texture Plaster present on lower 4' of wall in Stairwell ST3	2 Phases: a) Homogeneous, white, finishing or texture coat.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, grey and green, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
0069A Plaster Wall Finish in Student Services 111	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
Comments:	Foam is present on the surface of this sample.		
0069B Plaster Wall Finish in Office 11D	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
Comments:	Foam is present on the surface of this sample.		

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board,
 Port Hope High School, 130 Highland Drive, Port Hope
Project No.: 101650
Prepared For: Mike Wilson

Lab Reference No.: b116032
Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0069C Plaster Wall Finish in Student Services 111	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
Comments:	Foam is present on the surface of this sample.		
0070A Drywall Joint Compound - Student Services 111	2 Phases: a) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, beige, compressed fibrous material.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 10-25%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required.		
0070B Drywall Joint Compound - Student Services 111	a) Homogeneous, off- white, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0070C Drywall Joint Compound - Corridor 100E			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board,
Port Hope High School, 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116032

Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0071A Plaster Ceiling - Vestibule 1	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, blue, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
0071B Plaster Ceiling - Vestibule 1	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, blue, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
0071C Plaster Ceiling - Vestibule 1	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, blue, soft, cementitious material.	None Detected	Vermiculite 0.5-5% Other Non-Fibrous > 75%
0072A Texture Finish on Plaster Ceiling - ST2	2 Phases: a) Homogeneous, beige, hard, cementitious material.	None Detected	Perlite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, off- white, finishing or texture coat.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
Comments:	Phase a) is small in size.		

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board,
 Port Hope High School, 130 Highland Drive, Port Hope
Project No.: 101650
Prepared For: Mike Wilson

Lab Reference No.: b116032
Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0072B Texture Finish on Plaster Ceiling - ST2	a) Homogeneous, beige, hard, cementitious material.	None Detected	Perlite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, off-white, finishing or texture coat.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
Comments:	Phase a) is small in size.		
0072C Texture Finish on Plaster Ceiling - ST2	a) Homogeneous, beige, hard, cementitious material.	None Detected	Perlite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, off-white, finishing or texture coat.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
Comments:	Phase a) is small in size.		
0073A 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, ST2	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0073B 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, ST2	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0073C 2x4 Acoustic Ceiling Tile, Pinhole Swirl Pattern, ST2	2 Phases: a) Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board,
Port Hope High School, 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116032

Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0074A Acoustic Ceiling Tile Adhesive - Room 102A	Homogeneous, brown, hard, cementitious, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0074B Acoustic Ceiling Tile Adhesive - Room 102A	Homogeneous, brown, hard, cementitious, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0074C Acoustic Ceiling Tile Adhesive - Room 102A	Homogeneous, brown, hard, cementitious, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0075A 1x1 Uniform Pattern Acoustic Ceiling Tile - Stairwell ST1	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0075B 1x1 Uniform Pattern Acoustic Ceiling Tile - Corridor 201H	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0075C 1x1 Uniform Pattern Acoustic Ceiling Tile - Stairwell ST3	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous 50-75% Fibres Non-Fibrous Material 0.5-5%
0076A Tar Paper at Roof Opening in Janitor Room 248	Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 25-50% Tar and other non-fibrous 50-75%
Comments:	Cellulose is present on the surface of this sample.		

REVIEWED BY

ANALYST



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board,
Port Hope High School, 130 Highland Drive, Port Hope

Project No.: 101650

Prepared For: Mike Wilson

Lab Reference No.: b116032

Date Analyzed: February 4, 2015

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0076B Tar Paper at Roof Opening in Janitor Room 248	Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 25-50% Tar and other non- fibrous 50-75%
0076C Tar Paper at Roof Opening in Janitor Room 248	Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 25-50% Tar and other non- fibrous 50-75%
Comments:	Cellulose is present on the surface of this sample.		

REVIEWED BY

ANALYST



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board
 130 Highland Drive, Port Hope, ON
Project No.: 112721
Prepared For: Chris Fennell / Mike Wilson
Lab Reference No.: b131756 Revised
Analyst(s): A. Wells / J. Dacquel
Date Received: July 19, 2016 # Samples submitted: 9
Date Analyzed: July 19 & 20, 2016 # Phases analyzed: 12

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board
130 Highland Drive, Port Hope, ON

Project No.: 112721

Prepared For: Chris Fennell / Mike Wilson

Lab Reference No.: b131756 Revised

Date Analyzed: July 19 & 20, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0077A Drywall Joint Compound - Vice Principal's office - North wall at drop ceiling	Homogeneous, off-white, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Drywall is present on the surface of this sample.		
0077B Drywall Joint Compound - Vice Principal's office - South wall chase near bulkhead	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material
Comments:	Cellulose is present on the surface of this sample.		
0077C Drywall Joint Compound - Vice Principal's office - South Wall chase near floor	2 Phases: a) Homogeneous, off- white, drywall joint compound. b) Homogeneous, white, drywall joint compound.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0078A Drywall Joint Compound - Drama 101 - Bulkhead at south wall chase	2 Phases: a) Homogeneous, off- white, drywall joint compound. b) Homogeneous, white, drywall joint compound.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board
130 Highland Drive, Port Hope, ON

Project No.: 112721

Prepared For: Chris Fennell / Mike Wilson

Lab Reference No.: b131756 Revised

Date Analyzed: July 19 & 20, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0078B Drywall Joint Compound - Drama 101 - Wall chase at floor	2 Phases: a) Homogeneous, off- white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0078C Drywall Joint Compound - Drama 101 - Bulkhead at north end of classroom	Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0079A Drywall Joint Compound - Vestibule 4 (Pinchin Loc. 25) ceiling - Construction drawings indicate location as Vestibule 2	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0079B Drywall Joint Compound - Vestibule 4 (Pinchin Loc. 25) ceiling - Construction drawings indicate location as Vestibule 2	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board
130 Highland Drive, Port Hope, ON

Project No.: 112721

Prepared For: Chris Fennell / Mike Wilson

Lab Reference No.: b131756 Revised

Date Analyzed: July 19 & 20, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0079C Drywall Joint Compound - Vestibule 4 (Pinchin Loc. 25) ceiling - Construction drawings indicate location as Vestibule 2	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON	Date Received:	October 18, 2016
Project No.:	119806	Date Analyzed:	October 24, 2016
Prepared For:	B. Guindon / M. Wilson	# Samples submitted:	24
Lab Reference No.:	b134514	# Phases analyzed:	27
Analyst(s):	T. Tran		

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b134514
Date Analyzed: October 24, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0080A 24" X 48" medium and small random pinhole pattern ceiling tiles, Loc 64, Library	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0080B 24" X 48" medium and small random pinhole pattern ceiling tiles, Loc 64, Library	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0080C 24" X 48" medium and small random pinhole pattern ceiling tiles, Loc 64, Library	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0081A Gold sink, mastic, Library Work Room, Loc 65	Homogeneous, gold, soft, mastic material.	Chrysotile 5-10%	Tar and other non-fibrous > 75%
0081B Gold sink, mastic, Library Work Room, Loc 65			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0081C Gold sink, mastic, Library Work Room, Loc 65			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b134514
Date Analyzed: October 24, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0082A Brown vinyl adhesive, Work room Loc 65	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, adhesive material.	None Detected	Non-Fibrous Material > 75%
0082B Brown vinyl adhesive, Work room Loc 65	a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, adhesive material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0082C Brown vinyl adhesive, Work room Loc 65	a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, adhesive material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, paint-like material.		Not Analyzed
Comments:	Analysis of phase c) was stopped due to a previous positive result.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b134514
Date Analyzed: October 24, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0083A Brown carpet and vinyl baseboard adhesive, Loc 64	3 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, adhesive material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0083B Brown carpet and vinyl baseboard adhesive, Loc 64	3 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, adhesive material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, paint-like material.		Not Analyzed
Comments:	Analysis of phase c) was stopped due to a previous positive result.		
0083C Brown carpet and vinyl baseboard adhesive, Loc 64	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, paint-like material.		Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b134514
Date Analyzed: October 24, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0084A Gray interior window caulking, Library, Loc 64 west windows	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0084B Gray interior window caulking, Library, Loc 64 west windows	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0084C Gray interior window caulking, Library, Loc 64 west windows	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0085A DJC upper wall, Library, Loc 64	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0085B DJC upper wall, Library, Loc 64			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0085C DJC upper wall, Library, Loc 64			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0086A Off white window caulking, demising windows	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b134514
Date Analyzed: October 24, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0086B Off white window caulking, demising windows	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0086C Off white window caulking, demising windows	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0087A Black window caulking, north exterior windows, Loc 64	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0087B Black window caulking, north exterior windows, Loc 64	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0087C Black window caulking, north exterior windows, Loc 64	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson
Lab Reference No.: b161954
Analyst(s): A. Williams / M. Tipgos / J. Raisch-Berkoff
Date Received: November 29, 2016 **# Samples submitted:** 9
Date Analyzed: December 6, 2016 **# Phases analyzed:** 18

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b161954
Date Analyzed: December 6, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0088A Off white paint, Library on corridor wall by entrance doors and magazine rack.	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and off-white, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0089A Off white paint, Library on exterior north wall and column.	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white, blue and off-white, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		
0090A Off white Library, exterior west wall by floor tile and carpet area.	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white, blue and off-white, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		
0091A Light blue block wall, Office 123B north wall, east side	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and blue paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b161954
Date Analyzed: December 6, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0092A Light blue block wall, Office 123B wall, east side by man door to corridor	a) Homogeneous, grey, hard, cementitious, plaster.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, off-white and beige, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results a larger sample is required.		
0093A Light blue south wall by shelves, Office 123B	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and off-white paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0094A Light blue paint on west side wall, Office 123B	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and off-white paint-like material	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required.		
0095A Interior light green paint corridor block wall, Lecture Room 132	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and light green paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**


Project Name: KPRDSB Port Hope SS, 130 Highland Drive, Port Hope, ON
Project No.: 119806
Prepared For: B. Guindon / M. Wilson

Lab Reference No.: b161954
Date Analyzed: December 6, 2016


BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0096A Light green exterior block wall east wall base of risers in area with efflorescence, Lecture Room 132	2 Phases: a) Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, white and light green paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%

Reviewed by:


 Digitally signed by Larissa Butler
 Date: 2016.12.06 17:06:07 -05'00'

Reporting Analyst:


 Digitally signed by Larissa Butler
 Date: 2016.12.06 17:05:53 -05'00'



Analyzed by: AW
 Reviewed by: KB
 Report Sent by: UB

Emailed for CoC

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	KPRDSB Port Hope SS	Project Address:	130 Highland Drive, Port Hope, On
Portfolio/Building No:		Pinchin File:	119806
Submitted by:	B Guindon	Email:	bguindon@pinchin.com
CC Results to:	M Wislon	CC Email:	mwilson@pinchin.com
Date Submitted:	November 28 2016	Required by:	December 4 2016
# of Samples:	9	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1962		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:			
Lab Reference #:	<u>0161954</u>	Time:	24 hour clock
Received by:	<u>NOV 29 2016 EL</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>JRB / MT / AW Dec. 6/16</u>		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	088	A	Off white paint, Library on corridor wall by entrance doors and magazine rack. <i>a) ND b) CH0.5-S1.</i>
	0089	A	Off white paint, Library on exterior north wall and column. <i>a) ND b) CH0.5-S1.</i>
	0090	A	Off white Library, exterior west wall by floor tile and carpet area. <i>a) ND b) CH0.5-S1.</i>
	0091	A	Light blue block wall, Office 123B north wall, east side <i>a) ND b) CH0.5-S1.</i>
	0092	A	Light blue block wall, Office 123B wall, east side by man door to corridor <i>a) ND b) CH0.5-S1.</i>
	0093	A	Light blue south wall by shelves, Office 123B <i>a) ND b) CH0.5-S1.</i>
	0094	A	Light blue paint on west side wall, Office 123B <i>a) ND b) CH0.5-S1.</i>
	0095	A	Interior light green paint corridor block wall, Lecture Room 132 <i>a) ND b) CH0.5-S1.</i>

AW
JRB
MT

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
<i>MT</i>	0096	A	Light green exterior block wall east wall base of risers in area with efflorescence, Lecture Room 132 <i>AND WCHO.5-57.</i>



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Kawartha Pine Ridge District School Board Port Hope HS, 130 Highland Road, Port Hope		
Project No.:	112721		
Prepared For:	M. Wilson	Date Received:	July 8, 2016
Lab Reference No.:	b131455 Revised2	Date Analyzed:	July 8, 2016
Analyst(s):	N. Barinque	# Samples submitted:	3
		# Phases analyzed:	3

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Kawartha Pine Ridge District School Board
Port Hope HS, 130 Highland Road, Port Hope

Project No.: 112721

Prepared For: M. Wilson


Lab Reference No.: b131455 Revised2

Date Analyzed: July 8, 2016


BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0097A Concealed Plaster Ceiling in Boiler Room 139	Homogeneous, beige, hard, cementitious material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
0097B Concealed Plaster Ceiling in Boiler Room 139	Homogeneous, beige, hard, cementitious material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
0097C Concealed Plaster Ceiling in Boiler Room 139	Homogeneous, beige, hard, cementitious material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%

Reviewed by:

 Digitally signed
by Eileen Luong
Date:
2018.05.03
15:53:30 -04'00'

Reporting Analyst:

 Digitally signed
by Eileen Luong
Date:
2018.05.03
15:53:45 -04'00'



Analyzed by: NB
 Reviewed by: KB
 Report Sent by: UB

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Kawartha Pine Ridge District School Board	Project Address:	130 Highland Road, Port Hope
Portfolio/Building No:	Port Hope HS	Pinchin File:	112721
Submitted by:	Mike Wilson	Email:	<u>mwilson@pinchin.com</u>
CC Results to:		CC Email:	
Date Submitted:	July 4 2016	Required by:	July 6 2016
# of Samples:	3	Priority:	Rush Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1960		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:			
Lab Reference #:	<u>b131455</u>	Time:	24 hour clock
Received by:	<u>UB</u>	Date:	Month Day Year <u>JUL 08 2016</u>
Name(s) of Analyst(s):	<u>NB</u> <u>No. 07.08</u>		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0077A	A	Concealed Plaster Ceiling in Boiler Room 139 <u>ND</u>
	0077A	B	Concealed Plaster Ceiling in Boiler Room 139 <u>ND</u>
	0077A	C	Concealed Plaster Ceiling in Boiler Room 139 <u>ND</u>



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Kawartha Pine Ridge District School Board, Port Hope High School and Dr. Hawkins Senior Public School, 130 Highland Drive, Port Hope, Ontario		
Project No.:	121667		
Prepared For:	S. Dadhwal / M. Wilson	Date Received:	January 5, 2017
Lab Reference No.:	b163494 Revised2	Date Analyzed:	January 11, 2017
Analyst(s):	K. Cockburn	# Samples submitted:	4
		# Phases analyzed:	7

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board, Port Hope High School and Dr. Hawkins Senior Public School, 130 Highland Drive, Port Hope, Ontario

Project No.: 121667

Prepared For: S. Dadhwal / M. Wilson

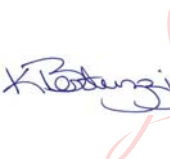
Lab Reference No.: b163494 Revised2

Date Analyzed: January 11, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0098A Drywall joint compound in Classroom 124 A	a) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		
0099A Plaster in Servery 102C	a) Homogeneous, grey, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0099B Plaster in Servery 102C	a) Homogeneous, grey, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0099C Plaster in Servery 102C	Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		

Reviewed by:

 Digitally signed
by Eileen Luong
Date: 2018.05.09
11:25:59 -04'00'

Reporting Analyst:

 Digitally signed
by Eileen Luong
Date: 2018.05.09
11:26:15 -04'00'



Analyzed by: KC
 Reviewed by: HB
 Report Sent by: EL



Special Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Kawartha Pine Ridge District School Board	Project Address:	Port Hope Highschool and Dr. Hawkins Senior Public School, 130 Highland Drive Port Hope Ontario
Portfolio/Building No:	Hazardous Building Materials Assessment	Pinchin File:	121667
Submitted by:	Sanjeet Dadhwal	Email:	sdadhwal@pinchin.com
CC Results to:	Mike Wilson	CC Email:	mwilson@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	January 2 2017	Required by:	January 6 2017
# of Samples:	4	Priority:	3 Day Turnaround
Year of Building Construction (Mandatory Field):			1955
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):			Pinchin

To be Completed by Lab Personnel Only:			
Lab Reference #:	b163494		Time: 24 hour clock
Received by:	JAN 05 2017 EL		Date: Month Day Year
Name(s) of Analyst(s):	KC 17:01:11		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0001	A	Drywall joint compound in Classroom 124 A a) ND b) ND
	0002	A	Drywall joint compound in Servery 102C a) ND b) ND
	0002	B	Drywall joint compound in Servery 102C a) ND b) ND
	0002	C	Drywall joint compound in Servery 102C ND insuff base coat



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 204-160 Charlotte Street
 Peterborough, ON K9J 2T8

Attn: Bryan Guindon
 Chris Fennell

Lab Order ID: 71914055
Analysis ID: 71914055_PLM
Date Received: 5/28/2019
Date Reported: 5/30/2019

Project: 242757, KPRDSB, Port Hope High School, 130 Highland Dr, Port Hope, On

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0100A	Drywall joint compound, east wall half wall, north side, Room 205	None Detected		100% Other	White Non Fibrous Heterogeneous
71914055PLM_1					Crushed
0100B	Drywall joint compound, half wall, Center of wall, Room 205	None Detected		100% Other	White Non Fibrous Heterogeneous
71914055PLM_2					Crushed
0100C	Drywall joint compound, east wall half wall, south side, Room 205	None Detected		100% Other	White Non Fibrous Heterogeneous
71914055PLM_3					Crushed
0101A	Brown vinyl adhesive for black baseboard strips, room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_4					Dissolved
0101B	Brown vinyl adhesive for black baseboard strips, room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_5					Dissolved
0101C	Brown vinyl adhesive for black baseboard strips, room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_6					Dissolved
0102A	Green window caulking, Room 205, west side	None Detected		100% Other	Green Non Fibrous Heterogeneous
71914055PLM_7					Dissolved
0102B	Green window caulking, Room 205, center of windows	None Detected		100% Other	Green Non Fibrous Heterogeneous
71914055PLM_8					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (12)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Pinchin Ltd.
204-160 Charlotte Street
Peterborough, ON K9J 2T8

Attn: Bryan Guindon
Chris Fennell

Lab Order ID: 71914055
Analysis ID: 71914055_PLM
Date Received: 5/28/2019
Date Reported: 5/30/2019

Project: 242757, KPRDSB, Port Hope High School, 130 Highland Dr, Port Hope, On

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0102C	Green window caulking, Room 205, east side	None Detected		100% Other	Green Non Fibrous Heterogeneous
71914055PLM_9					Dissolved
0103A	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_10					Dissolved
0103B	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_11					Dissolved
0103C	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	None Detected		100% Other	Brown Non Fibrous Heterogeneous
71914055PLM_12					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.


Charmel Dozier (12)

Analyst

Approved Signatory

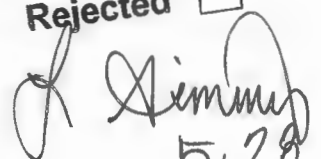
71914055

Version 1-15-2012

Client:	Pinchin Ltd.	<p>*Instructions:</p> <p>Use Column "B" for your contact info</p> <p>To See an Example Click the bottom Example Tab.</p> <p>Enter samples between "<<" and ">>"</p> <p>Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"</p> <p>Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.</p>	Invoice to:
Contact:	BG		chris fennell
Address:	204-160 Charlotte St.		cfennell@pinchin.com
Phone:	Perborough, ON		 <p>Scientific Analytical Institute</p>
Phone:	705-748-4627		
Fax:	705-748-6927		
Email:	bquindon@pinchin.com cfennell@pinchin.com		
Project:	242757, KPRDSB, Port Hope High School, 130 Highland Dr, Port Hope, On		<p>4604 Dundas Dr.</p> <p>Greensboro, NC 27407</p> <p>Phone: 336.292.3888</p> <p>Fax: 336.292.3313</p> <p>Email: lab@sailab.com</p>
Client Notes:			
P.O. #:	242757		
Date Submitted:	May 24 2019		
Analysis:	PLM - Stop Positive		
TurnAroundTime:	4 days		

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
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<<			
0100A		Drywall joint compound, east wall half wall, north side, Room 205	
0100B		Drywall joint compound, half wall, Center of wall , Room 205	
0100C		Drywall joint compound, east wall half wall, south side, Room 205	
0101A		Brown vinyl adhesive for black baseboard strips, room 205	
0101B		Brown vinyl adhesive for black baseboard strips, room 205	
0101C		Brown vinyl adhesive for black baseboard strips, room 205	
0102A		Green window caulking, Room 205, west side	
0102B		Green window caulking, Room 205, center of windows	
0102C		Green window caulking, Room 205, east side	
0103A		Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	
0103B		Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	
0103C		Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205	
>>			

Accepted
Rejected

 5.28
 10: 30A

71914055



TRANSMITTAL

TO: Scientific Analytical Institute
4604 Dundas Drive
Greensboro, NC
27407

ATTENTION: Analytical Lab
Phone Number: (336) 292-3888

COPIES TO:

FROM: J. Romero Oran

PINCHIN FILE:

CLIENT FILE:

DATE: **MAY 24 2019**

SENT BY: COURIER:

Same Day Courier

Next Day Priority: 9 am 10 am 12 pm 5 pm Ground

PICKED UP: by

ITEM NO.	COPIES	DESCRIPTION
1		200 82 . 001 / 242757 ✓
2		242564 ✓
3	Buck. lead ↓	220891 ✓
4		242564 ✓
5		241494 ✓
6		241529 ✓
7		220891 x4 ✓✓✓✓
8		220891 ✓
9		220891 ✓
10		7205 Goreway Drive ✓

REMARKS:

SIGNATURE



ECOC to follow



Analyzed by: _____

Reviewed by: _____

Special Instructions:

Report Sent by: _____

Pinchin Ltd. - Asbestos Laboratory Internal Asbestos Bulk Sample Chain of Custody

Client Name:	KPRDSB	Project Address:	130 Highland Dr, Port Hope, On
Portfolio/Building No:	Port Hope High School	Pinchin File:	242757
Submitted by:	BG	Email:	bguindon@pinchin.com
CC Results to:	chris fennell	CC Email:	cfennell@pinchin.com
Invoice to:	CF	Invoice Email:	
Date Submitted:	May 24 2019	Required by:	June 1 2019
# of Samples:	12	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):	1956		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:		Time:	24 hour clock		
Received by:	MAY 24 2019	Date:	Month	Day	Year
Name(s) of Analyst(s):					

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0100	A	Drywall joint compound, east wall half wall, north side, Room 205
	0100	B	Drywall joint compound, half wall, Center of wall, Room 205
	0100	B	Drywall joint compound, east wall half wall, south side, Room 205
	0101	A	Brown vinyl adhesive for black baseboard strips, room 205
	0101	B	Brown vinyl adhesive for black baseboard strips, room 205
	0101	C	Brown vinyl adhesive for black baseboard strips, room 205



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0102	A	Green window caulking, Room 205, west side
	0102	B	Green window caulking, Room 205, center of windows
	0102	C	Green window caulking, Room 205, east side
	0103	A	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205
	0103	B	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205
	0103	C	Brown ceiling tile adhesive above 1' x 1' wood fibre tiles, Room 205



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell
Lab Reference No.: b243449
Analyst(s): J. Dacquel
Date Received: December 18, 2020 **# Samples submitted:** 21
Date Analyzed: January 7, 2021 **# Phases analyzed:** 27

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243449
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0150A VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63)	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.	Chrysotile	0.5-5% Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non-fibrous > 75%
0150B VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63)	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.		Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non-fibrous > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
0150C VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63)	3 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.		Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non-fibrous > 75%
	c) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result. Phase c) is small in size. For more reliable results, a larger sample is required.		
0151A Green paint on masonry block walls in Lecture Theatre 132 (Location 63)	Non-homogeneous, green and white, coating material.	Chrysotile	0.5-5% Non-Fibrous Material > 75%
Comments:	Another phase is present but was not analyzed. Cellulose and synthetic fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243449
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0151B Green paint on masonry block walls in Lecture Theatre 132 (Location 63)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0151C Green paint on masonry block walls in Lecture Theatre 132 (Location 63)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0104A Texture finish on plaster substrate in Lecture Theatre 132 (Location 63)	Non-homogeneous, white, finishing or texture coat.	None Detected	Foam 10-25% Perlite 0.5-5% Other Non-Fibrous > 75%
0104B Texture finish on plaster substrate in Lecture Theatre 132 (Location 63)	Homogeneous, off-white, finishing or texture coat.	None Detected	Foam 10-25% Other Non-Fibrous > 75%
0104C Texture finish on plaster substrate in Lecture Theatre 132 (Location 63)	Homogeneous, off-white, finishing or texture coat.	None Detected	Foam 10-25% Other Non-Fibrous > 75%
0105A Baseboard adhesive in Lecture Theatre 132 (Location 63)	2 Phases: a) Homogeneous, brown, adhesive material. b) Homogeneous, white, coating material.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243449
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0105B Baseboard adhesive in Lecture Theatre 132 (Location 63)	4 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, coating material.		Not Analyzed
	c) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	d) Homogeneous, white, soft, cementitious material on phase c).	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Analysis of phase b) was stopped due to a previous positive result. Phase c) and phase d) are small in size. For more reliable results, a larger sample is required. Cellulose is present on the surface of this sample.		
0105C Baseboard adhesive in Lecture Theatre 132 (Location 63)	4 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, coating material.		Not Analyzed
	c) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	d) Homogeneous, white, soft, cementitious material on phase c).		Not Analyzed
Comments:	Analysis of phase b) and phase d) was stopped due to a previous positive result. Phase c) is small in size. For more reliable results, a larger sample is required. Cellulose is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243449
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0106A Plaster on ceiling in Lecture Theatre 132 (Location 63)	2 Phases: a) Homogeneous, grey, hard, cementitious plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Non-homogeneous, off- white, finishing or texture coat and coating material.	Chrysotile < 0.5%	Perlite 0.5-5% Foam 0.5-5% Other Non-Fibrous > 75%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required. Another phase is present but there was insufficient material submitted to analyze.		
0106B Plaster on ceiling in Lecture Theatre 132 (Location 63)	3 Phases: a) Homogeneous, grey, hard, cementitious plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Non-homogeneous, off- white, finishing or texture coat and coating material.	Chrysotile 0.5-5%	Perlite 25-50% Other Non-Fibrous 50-75%
	c) Homogeneous, white, finishing or texture coat.	None Detected	Foam 0.5-5% Other Non-Fibrous > 75%
Comments:	Phase b) is small in size. Phase c) is small in size. For more reliable results, a larger sample is required.		
0106C Plaster on ceiling in Lecture Theatre 132 (Location 63)	3 Phases: a) Homogeneous, grey, hard, cementitious plaster material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Non-homogeneous, finishing or texture coat and coating material.		Not Analyzed
	c) Homogeneous, white, finishing or texture coat.	None Detected	Foam 10-25% Other Non-Fibrous > 75%
Comments:	Analysis of phase b) was stopped due to a previous positive result. Phase c) is small in size. For more reliable results, a larger sample is required.		



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243449
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0107A Grey caulking on window frames in Lecture Theatre 132 (Locartion 63)	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0107B Grey caulking on window frames in Lecture Theatre 132 (Locartion 63)	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0107C Grey caulking on window frames in Lecture Theatre 132 (Locartion 63)	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0108A Off-white caulking in Laboratory 228 (Location 230)	Homogeneous, beige, soft, cementitious caulking material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0108B Off-white caulking in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0108C Off-white caulking in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Reviewed by:

Digitally signed by
 Julieth Oran
 Date: 2021.01.07
 14:46:41 -05'00'

Reporting Analyst:

Digitally signed by
 Julieth Oran
 Date: 2021.01.07
 14:46:24 -05'00'

27

Analyzed by: [Signature]
 Reviewed by: [Signature]
 Report Sent by: [Signature]

Special Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	KPRDSB	Project Address:	Port Hope High School
Portfolio/Building No:	HBMA	Pinchin File:	284746
Submitted by:	Sanjeet Dadhwal	Email:	sdadhwal@pinchin.com
CC Results to:	Chris Fennell	CC Email:	cfennell@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	December 18 2020	Required by:	December 24 2020
# of Samples:	42 21 (split 1/2)	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			1970
Do NOT Stop on Positive (Sample Numbers):			0011A, 0011B, 0011C
Pinchin Group Company (Mandatory Field):			Pinchin

To be Completed by Lab Personnel Only:

Lab Reference #:	0243449	Time:	24 hour clock		
Received by:		Date:	Month	Day	Year
Name(s) of Analyst(s):	DEC 18 2020				JAN. 7, 2020

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0102	A	VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63) a.) CH 0.5-5% b.) NID
	0102	B	VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63) a.) N/A b.) NID
	0102	C	VFT - 12 x 12 green with white streakin Lecture Theatre 132 (Location 63) a.) N/A b.) NID c.) NID
	0103	A	Green paint on masonry block walls in Lecture Theatre 132 (Location 63) CH 0.5-5%
	0103	B	Green paint on masonry block walls in Lecture Theatre 132 (Location 63) N/A
	0103	C	Green paint on masonry block walls in Lecture Theatre 132 (Location 63) N/A

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0104	A	Texture finish on plaster substrate in Lecture Theatre 132 (Location 63) NID
	0104	B	Texture finish on plaster substrate in Lecture Theatre 132 (Location 63) NID
	0104	C	Texture finish on plaster substrate in Lecture Theatre 132 (Location 63) NID
	0105	A	Baseboard adhesive in Lecture Theatre 132 (Location 63) a.) NID b.) CH 0.5-1%
	0105	B	Baseboard adhesive in Lecture Theatre 132 (Location 63) a.) NID b.) N/A c.) NID d.) CH 0.5-1%
	0105	C	Baseboard adhesive in Lecture Theatre 132 (Location 63) a.) NID b.) N/A c.) NID d.) N/A
	0106	A	Plaster on ceiling in Lecture Theatre 132 (Location 63) a.) NID b.) CH 20.5%
	0106	B	Plaster on ceiling in Lecture Theatre 132 (Location 63) a.) NID b.) CH 0.5-1% c.) NID
	0106	C	Plaster on ceiling in Lecture Theatre 132 (Location 63) a.) NID b.) N/A c.) NID
	0107	A	Grey caulking on window frames in Lecture Theatre 132 (Location 63) NID
	0107	B	Grey caulking on window frames in Lecture Theatre 132 (Location 63) NID
	0107	C	Grey caulking on window frames in Lecture Theatre 132 (Location 63) NID
	0108	A	Off-white caulking in Laboratory 228 (Location 230) CH 0.5-1%
	0108	B	Off-white caulking in Laboratory 228 (Location 230) N/A
	0108	C	Off-white caulking in Laboratory 228 (Location 230) N/A

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	KPRDSB, HBMA, Port Hope High School		
Project No.:	0284746.000		
Prepared For:	S. Dadhwal / C. Fennell	Date Received:	December 18, 2020
Lab Reference No.:	b243450	Date Analyzed:	January 7, 2021
Analyst(s):	T. Tran	# Samples submitted:	21
		# Phases analyzed:	18

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243450
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0109A Gold duct mastic in Laboratory 228 (Location 230)	Non-homogeneous, yellow and grey, hard, mastic material.	None Detected	Talc 0.5-5% Non-Fibrous Material > 75%
0109B Gold duct mastic in Laboratory 228 (Location 230)	Non-homogeneous, yellow and grey, hard, mastic material.	None Detected	Talc 0.5-5% Non-Fibrous Material > 75%
0109C Gold duct mastic in Laboratory 228 (Location 230)	Non-homogeneous, yellow and grey, hard, mastic material.	None Detected	Talc 0.5-5% Non-Fibrous Material > 75%
0110A Cementitious packing between deck flutes in Laboratory 228 (Location 230)	Homogeneous, off-white, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0110B Cementitious packing between deck flutes in Laboratory 228 (Location 230)	Homogeneous, off-white, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0110C Cementitious packing between deck flutes in Laboratory 228 (Location 230)	Homogeneous, off-white, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
0111A Drywall joint compound on wall in Laboratory 228 (Location 230)	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243450
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)		
		ASBESTOS		OTHER
0111B Drywall joint compound on wall in Laboratory 228 (Location 230)	Homogeneous, beige, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
0111C Drywall joint compound on wall in Laboratory 228 (Location 230)	Homogeneous, beige, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
0112A VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230)	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected		Tar and other non-fibrous > 75%
0112B VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230)	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile.			Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected		Tar and other non-fibrous > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.			



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243450
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0112C VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230)	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Tar and other non-fibrous > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
0113A Brown duct mastic in Laboratory 228 (Location 230)	Homogeneous, brown, soft, mastic material.	Chrysotile 5-10%	Non-Fibrous Material > 75%
0113B Brown duct mastic in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0113C Brown duct mastic in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0114A Pink paint on masonry wall in Laboratory 228 (Location 230)	Non-homogeneous, off-white and pink, paint-like material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0114B Pink paint on masonry wall in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b243450
Date Analyzed: January 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0114C Pink paint on masonry wall in Laboratory 228 (Location 230)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0115A White sink mastic in Laboratory 228 (Location 230)	Homogeneous, white, soft, mastic material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
0115B White sink mastic in Laboratory 228 (Location 230)	Homogeneous, white, soft, mastic material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
0115C White sink mastic in Laboratory 228 (Location 230)	Homogeneous, white, soft, mastic material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%

Reviewed by:

Digitally signed by
Julieth Oran
Date: 2021.01.07
16:09:49 -05'00'

Reporting Analyst:

Digitally signed by Julieth
Oran
Date: 2021.01.07 16:09:35
-05'00'

Analyzed by: [Signature]
 Reviewed by: [Signature]
 Report Sent by: U+

Special Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	KPRDSB	Project Address:	Port Hope High School
Portfolio/Building No:	HBMA	Pinchin File:	284746
Submitted by:	Sanjeet Dadhwal	Email:	sdadhwal@pinchin.com
CC Results to:	Chris Fennell	CC Email:	cfennell@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	December 18 2020	Required by:	December 24 2020
# of Samples:	42 21	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			1970
Do NOT Stop on Positive (Sample Numbers):			0011A, 0011B, 0011C + <u>U+</u> → 0111A B C +
Pinchin Group Company (Mandatory Field):			Pinchin <u>see email</u> PDF

To be Completed by Lab Personnel Only:

Lab Reference #:	624345D	Time:	24 hour clock
Received by:	DEC 18 2020	Date:	Month Day Year
Name(s) of Analyst(s):	Thom		Jan 07/21-

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)	
	0109	A	Gold duct mastic in Laboratory 228 (Location 230)	ND
	0109	B	Gold duct mastic in Laboratory 228 (Location 230)	ND
	0109	C	Gold duct mastic in Laboratory 228 (Location 230)	ND
	0110	A	Cemetitious packing between deck flutes in Laboratory 228 (Location 230)	ND
	0110	B	Cemetitious packing between deck flutes in Laboratory 228 (Location 230)	ND
	0110	C	Cemetitious packing between deck flutes in Laboratory 228 (Location 230)	ND

6

6243450

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0111	A*	Drywall joint compound on wall in Laboratory 228 (Location 230) CH0.5-5
	0111	B*	Drywall joint compound on wall in Laboratory 228 (Location 230) CH0.5-5
	0111	C*	Drywall joint compound on wall in Laboratory 228 (Location 230) CH0.5-5
	0112	A	VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230) A) CH0.5-5 B) ND
	0112	B	VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230) A) NA B) ND
	0112	C	VFT - 12 x 12 white with grey streak in Laboratory 228 (Location 230) A) NA B) ND
	0113	A	Brown duct mastic in Laboratory 228 (Location 230) CH5-10
	0113	B	Brown duct mastic in Laboratory 228 (Location 230) NA
	0113	C	Brown duct mastic in Laboratory 228 (Location 230) NA
	0114	A	Pink paint on masonry wall in Laboratory 228 (Location 230) CH0.5-5
	0114	B	Pink paint on masonry wall in Laboratory 228 (Location 230) NA
	0114	C	Pink paint on masonry wall in Laboratory 228 (Location 230) NA
	0115	A	White sink mastic in Laboratory 228 (Location 230) ND
	0115	B	White sink mastic in Laboratory 228 (Location 230) ND
	0115	C	White sink mastic in Laboratory 228 (Location 230) ND

(12)



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell
Lab Reference No.: b244580 Revised
Analyst(s): A. Wells
Date Received: January 25, 2021 **# Samples submitted:** 30
Date Analyzed: February 1, 2021 **# Phases analyzed:** 31

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested.

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**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0116A Brown baseboard adhesive in Office 131 (Location 51) - 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
0116B Brown baseboard adhesive in Office 131 (Location 54) - 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
0116C Brown baseboard adhesive in Office 131 (Location 51) - 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
0117A White paint on masonry wall in Office 131 (Location 52) - 1970 phase	Homogeneous, multi coloured, layered coating material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
0117B White paint on masonry wall in Office 131 (Location 54) - 1970 phase			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0117C White paint on masonry wall in Kitchenette 131 (Location 55) - 1970 phase			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0118A White sink mastic in Kitchenette 131 (Location 55) - 1970 phase	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
0118B White sink mastic in Kitchenette 131 (Location 55) - 1970 phase	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
0118C White sink mastic in Kitchenette 131 (Location 55) - 1970 phase	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
0119A Brown chalkboard adhesive in Office 131 (Location 52) – 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0119B Brown chalkboard adhesive in Office 131 (Location 52) – 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0119C Brown chalkboard adhesive in Office 131 (Location 52) – 1970 phase	Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
0120A 24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0120B 24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0120C 24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 50-75% Non-Fibrous Material 0.5-5%
0121A Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, multi coloured, layered coating material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
0121B Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, multi coloured, layered coating material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0121C Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, multi coloured, layered coating material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
0122A White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase	2 Phases: a) Homogeneous, off-white, caulking material. b) Homogeneous, beige, caulking material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
0122B White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase	2 Phases: a) Homogeneous, off-white, caulking material. b) Homogeneous, beige, caulking material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
0122C White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase	2 Phases: a) Homogeneous, off-white, caulking material. b) Homogeneous, beige, caulking material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0123A Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Drywall is present on the surface of this sample.		
0123B Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Drywall is present on the surface of this sample.		
0123C Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase	Homogeneous, beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Drywall is present on the surface of this sample.		
0124A Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0124B Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: KPRDSB, HBMA, Port Hope High School
Project No.: 0284746.000
Prepared For: S. Dadhwal / C. Fennell

Lab Reference No.: b244580 Revised
Date Analyzed: February 1, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0124C Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0125A Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, multi coloured, layered coating material.	None Detected	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
0125B Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, multi coloured, layered coating material.	None Detected	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
0125C Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase	Homogeneous, multi coloured, layered coating material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		

Reviewed by:

Digitally signed by Cheryl Hendsbee
 Date: 2021.02.25 14:06:33 -05'00'

Reporting Analyst:

Digitally signed by Cheryl Hendsbee
 Date: 2021.02.25 14:06:19 -05'00'

Analyzed by: AW
 Reviewed by: AK
 Report Sent by: _____

Special Instructions: Samples to stay in house as per Client request.

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	KPRDSB	Project Address:	Port Hope High School
Portfolio/Building No:	HBMA	Pinchin File:	284746
Submitted by:	Sanjeet Dadhwal	Email:	sdadhwal@pinchin.com
CC Results to:	Chris Fennell	CC Email:	cfennell@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	January 22 2021	Required by:	January 29 2021
# of Samples:	30	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			1970
Do NOT Stop on Positive (Sample Numbers):			0121A, 0121B, 0121C, 0123A, 0123B, 0123C
Pinchin Group Company (Mandatory Field):			Pinchin

To be Completed by Lab Personnel Only:

Lab Reference #:	0244580	Time:	24 hour clock
Received by:	JAN 25 2021 JK	Date:	Month Day Year
Name(s) of Analyst(s):	AW 21-02-01		

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
M	0116	A	Brown baseboard adhesive in Office 131 (Location 51) - 1970 phase
M	0116	B	Brown baseboard adhesive in Office 131 (Location 54) - 1970 phase
M	0116	C	Brown baseboard adhesive in Office 131 (Location 51) - 1970 phase
CHOS-51	0117	A	White paint on masonry wall in Office 131 (Location 52) - 1970 phase
va	0117	B	White paint on masonry wall in Office 131 (Location 54) - 1970 phase
↓	0117	C	White paint on masonry wall in Kitchenette 131 (Location 55) - 1970 phase

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0118	A	White sink mastic in Kitchenette 131 (Location 55) - 1970 phase <i>ND</i>
	0118	B	White sink mastic in Kitchenette 131 (Location 55) - 1970 phase <i>ND</i>
	0118	C	White sink mastic in Kitchenette 131 (Location 55) - 1970 phase <i>ND</i>
	0119	A	Brown chalkboard adhesive in Office 131 (Location 152) - 1970 phase <i>ND</i>
	0119	B	Brown chalkboard adhesive in Office 131 (Location 152) - 1970 phase <i>ND</i>
	0119	C	Brown chalkboard adhesive in Office 131 (Location 152) - 1970 phase <i>ND</i>
	0120	A	24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase <i>ND</i>
	0120	B	24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase <i>ND</i>
	0120	C	24" x 48" pinhole pattern ceiling tile in Office 131 (Location 53) - 1970 phase <i>ND</i>
	121	A	Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CMOS-57</i>
	121	B	Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CMOS-57</i>
	121	C	Light blue paint on masonry wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CM Ce 5-57</i>
	0122	A	White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase <i>ND ND ND ND</i>
	0122	B	White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase <i>ND ND ND ND</i>
	0122	C	White caulking on countertops and door frames in Breakfast Club 126 (Location 74) - 1970 phase <i>ND ND ND ND</i>
	0123	A	Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CMOS-57</i>

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0123	B	Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CHO-5-51</i>
	0123	C	Drywall joint compound on wall in Breakfast Club 126 (Location 74) - 1970 phase <i>CHO-5-51</i>
	0124	A	Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase <i>ND</i>
	0124	B	Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase <i>ND</i>
	0124	C	Grey duct mastic in Mechanical Room 234C (Location 241) - 1970 phase <i>ND</i>
	0125	A	Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase <i>ND</i>
	0125	B	Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase <i>ND</i>
	0125	C	Yellow paint on masonry wall in Mechanical Room 234C (Location 241) - 1970 phase <i>CHO-5-51</i>

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: KPRDSB, Water Filling Station Project, Port Hope High School
Project No.: 0284746.001
Prepared For: J. Birney / C. Fennell
Lab Reference No.: b256521
Analyst(s): A. Wells
Date Received: August 11, 2021 **# Samples submitted:** 6
Date Analyzed: August 19, 2021 **# Phases analyzed:** 7

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: KPRDSB, Water Filling Station Project, Port Hope High School
Project No.: 0284746.001
Prepared For: J. Birney / C. Fennell

Lab Reference No.: b256521
Date Analyzed: August 19, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0128A Drywall joint compound on walls - Cafeteria 102 (Loc. 157)	Non-homogeneous, white and beige, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0128B Drywall joint compound on walls - Cafeteria 102 (Loc. 157)	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0128C Drywall joint compound on walls - Classroom 122 (Loc. 189)	2 Phases: a) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0129A Off-white paint on masonry walls - Custodian Room 210 (Loc. 207)	Homogeneous, beige, coating material.	None Detected	Non-Fibrous Material > 75%
0129B Off-white paint on masonry walls - Custodian Room 210 (Loc. 207)	Homogeneous, beige, coating material.	None Detected	Non-Fibrous Material > 75%
0129C Off-white paint on masonry walls - Custodian Room 210 (Loc. 207)	Homogeneous, beige, coating material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Digitally signed by
Cheryl Hendsbee
Date: 2021.08.20
08:19:25-04'00'

Reporting Analyst:

Digitally signed by
Cheryl Hendsbee
Date: 2021.08.20
08:19:14-04'00'

Analyzed by: *AC*
 Reviewed by: *AC*
 Report Sent by: *AC*

Special Instructions: Keep Samples in House

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	KPRDSB	Project Address:	Port Hope High School
Portfolio/Building No:	Water Filling Station Project	Pinchin File:	284746.001
Submitted by:	Jordan Birney	Email:	jbirney@pinchin.com
CC Results to:	Chris Fennell	CC Email:	cfennell@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	August 10 2021	Required by:	August 18 2021
# of Samples:	6	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):	1955		
Do NOT Stop on Positive (Sample Numbers):	0128A, 0128B, 0128C		
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	b256521 79	Time:	24 hour clock		
Received by:	AUG 11 2021	Date:	Month	Day	Year
Name(s) of Analyst(s):	<i>AC 21-08-19</i>				

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0128	A	Drywall joint compound on walls - Cafeteria 102 (Loc. 157) <i>AC</i>
	0128	B	Drywall joint compound on walls - Cafeteria 102 (Loc. 157) <i>AC</i>
	0128	C	Drywall joint compound on walls - Classroom 122 (Loc. 189) <i>AC AC AC AC</i>
	0129	A	Off-white paint on masonry walls - Custodian Room 210 (Loc. 207) <i>AC</i>
	0129	B	Off-white paint on masonry walls - Custodian Room 210 (Loc. 207) <i>AC</i>
	0129	C	Off-white paint on masonry walls - Custodian Room 210 (Loc. 207) <i>AC</i>



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 2360 Meadowpine Blvd. Unit 2
 Mississauga, ON L5N 7W5

Attn: Willis Asiedu
 Rachel Northey

Lab Order ID: 71991784
Analysis ID: 71991784_PLM
Date Received: 5/10/2022
Date Reported: 5/11/2022

Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0128A	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom	2% Chrysotile		98% Other	White, Gray Non Fibrous Heterogeneous
71991784PLM_1					Crushed, Dissolved
S0128B	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom	Not Analyzed			
71991784PLM_2					
S0128C	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom	Not Analyzed			
71991784PLM_3					
S0129A	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom	5% Chrysotile		95% Other	Blue, Gray Non Fibrous Homogeneous
71991784PLM_4					Crushed, Dissolved
S0129B	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom	Not Analyzed			
71991784PLM_5					
S0129C	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom	Not Analyzed			
71991784PLM_6					
S0130A	Brown Baseboard Adhesive,Loc:60,Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_7					Dissolved
S0130B	Brown Baseboard Adhesive,Loc:60,Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_8					Dissolved

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Heather Davide (24) Heather Boykin (27)
 Yanelis Delgado (36)

Analyst

Approved Signatory



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0130C	Brown Baseboard Adhesive, Loc:60, Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_9					Dissolved
S0131A - A	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	White Non Fibrous Homogeneous
71991784PLM_10	tile				Crushed, Dissolved
S0131A - B	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_85	mastic				Dissolved
S0131B - A	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	White Non Fibrous Homogeneous
71991784PLM_11	tile				Crushed, Dissolved
S0131B - B	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_86	mastic				Dissolved
S0131C - A	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	White Non Fibrous Homogeneous
71991784PLM_12	tile-ashed				Ashed
S0131C - B	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_87	mastic				Dissolved
S0132A	Adhesive/mastic, Yellow Baseboard Adhesive, Loc:16, Classroom	None Detected		100% Other	Cream Non Fibrous Homogeneous
71991784PLM_13					Crushed, Ashed

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Bulk Asbestos Analysis

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Analysis ID: 71991784_PLM
Date Received: 5/10/2022
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Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0132B	Adhesive/mastic, Yellow Baseboard Adhesive, Loc: 16, Classroom	None Detected		100% Other	Cream Non Fibrous Homogeneous
71991784PLM_14					Crushed, Ashed
S0132C	Adhesive/mastic, Yellow Baseboard Adhesive, Loc: 16, Classroom	None Detected		100% Other	Cream Non Fibrous Homogeneous
71991784PLM_15					Crushed, Ashed
S0133A	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
71991784PLM_16					Crushed, Ashed
S0133B	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
71991784PLM_17					Crushed
S0133C	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
71991784PLM_18					Crushed
S0134A	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	Purple, White, Gray Non Fibrous Heterogeneous
71991784PLM_19					Crushed, Ashed
S0134B	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	Purple, White, Gray Non Fibrous Heterogeneous
71991784PLM_20					Crushed, Ashed
S0134C	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom	None Detected		100% Other	Purple, White, Gray Non Fibrous Heterogeneous
71991784PLM_21					Crushed, Ashed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0135A	Wall,Paint,Light Blue Paint On Masonry,Loc:16,Classroom	2% Chrysotile		98% Other	White, Blue, Yellow Non Fibrous Homogeneous
71991784PLM_22					Dissolved
S0135B	Wall,Paint,Light Blue Paint On Masonry,Loc:16,Classroom	Not Analyzed			
71991784PLM_23					
S0135C	Wall,Paint,Light Blue Paint On Masonry,Loc:16,Classroom	Not Analyzed			
71991784PLM_24					
S0136A	Caulking,Grey Caulking On Door,Loc:16,Classroom	3% Chrysotile		97% Other	Gray, White Non Fibrous Homogeneous
71991784PLM_25					Crushed
S0136B	Caulking,Grey Caulking On Door,Loc:16,Classroom	Not Analyzed			
71991784PLM_26					
S0136C	Caulking,Grey Caulking On Door,Loc:16,Classroom	Not Analyzed			
71991784PLM_27					
S0137A	Expansion JointGrey Caulking On Expansion Joint,Loc:16,Classroom	2% Chrysotile		98% Other	Gray, White, Purple Non Fibrous Homogeneous
71991784PLM_28					Crushed
S0137B	Expansion JointGrey Caulking On Expansion Joint,Loc:16,Classroom	Not Analyzed			
71991784PLM_29					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0137C	Expansion Joint Grey Caulking On Expansion Joint, Loc: 16, Classroom	Not Analyzed			
71991784PLM_30					
S0138A	Adhesive/mastic, Baseboard Adhesive, Loc: 247, Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_31					Dissolved
S0138B	Adhesive/mastic, Baseboard Adhesive, Loc: 247, Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_32					Dissolved
S0138C	Adhesive/mastic, Baseboard Adhesive, Loc: 247, Classroom	None Detected		100% Other	Brown Non Fibrous Homogeneous
71991784PLM_33					Dissolved
S0139A	Wall, Drywall And Joint Compound, Drywall Joint Compound, Loc: 247, Classroo	2% Chrysotile		98% Other	Tan Non Fibrous Homogeneous
71991784PLM_34					Crushed
S0139B	Wall, Drywall And Joint Compound, Drywall Joint Compound, Loc: 247, Classroo	Not Analyzed			
71991784PLM_35					
S0139C	Wall, Drywall And Joint Compound, Drywall Joint Compound, Loc: 247, Classroo	Not Analyzed			
71991784PLM_36					
S0140A - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc: 247, Classr	2% Chrysotile		98% Other	Gray, White Non Fibrous Homogeneous
71991784PLM_37	tile				Dissolved

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Bulk Asbestos Analysis

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Analysis ID: 71991784_PLM
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0140A - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc:247, Classr	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_79	mastic				Dissolved
S0140B - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc:247, Classr	Not Analyzed			
71991784PLM_38	tile				
S0140B - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc:247, Classr	None Detected		100% Other	Black, Gray Non Fibrous Homogeneous
71991784PLM_80	mastic/leveling compound				Dissolved
S0140C - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc:247, Classr	Not Analyzed			
71991784PLM_39	tile				
S0140C - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 Green With White Streaks, Loc:247, Classr	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_81	mastic				Dissolved
S0141A - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	2% Chrysotile		98% Other	White, Gray, Green Non Fibrous Homogeneous
71991784PLM_40	tile				Dissolved
S0141A - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	None Detected		100% Other	Black, Tan Non Fibrous Homogeneous
71991784PLM_82	mastic/leveling compound				Dissolved
S0141B - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	Not Analyzed			
71991784PLM_41	tile				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0141B - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	None Detected		100% Other	Black, Gray Non Fibrous Homogeneous
71991784PLM_83	mastic/leveling compound				Dissolved
S0141C - A	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	Not Analyzed			
71991784PLM_42	tile				
S0141C - B	Floor, Vinyl Floor Tile And Mastic, 12 X 12 White With Green Streaks, Loc:247, Classr	None Detected		100% Other	Black, Gray, Red Non Fibrous Homogeneous
71991784PLM_84	mastic/leveling compound				Dissolved
S0142A	Structure, Caulking, Grey Caulking On Door Frame, Loc:247, Classroom	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
71991784PLM_43					Ashed
S0142B	Structure, Caulking, Grey Caulking On Door Frame, Loc:247, Classroom	Not Analyzed			
71991784PLM_44					
S0142C	Structure, Caulking, Grey Caulking On Door Frame, Loc:247, Classroom	Not Analyzed			
71991784PLM_45					
S0143A - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	3% Chrysotile		97% Other	Gray Non Fibrous Homogeneous
71991784PLM_46	tile				Dissolved
S0143A - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_64	mastic				Dissolved

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Date Received: 5/10/2022
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Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0143B - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	Not Analyzed			
71991784PLM_47	tile				
S0143B - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_65	mastic				Dissolved
S0143C - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	Not Analyzed			
71991784PLM_48	tile				
S0143C - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Black With White Streaks, Loc:254, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_66	mastic				Dissolved
S0144A - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	3% Chrysotile		97% Other	Gray Non Fibrous Homogeneous
71991784PLM_49	tile				Dissolved
S0144A - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_67	mastic				Dissolved
S0144B - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	Not Analyzed			
71991784PLM_50	tile				
S0144B - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_68	mastic				Dissolved

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Heather Davide (24) Heather Boykin (27)
 Yanelis Delgado (36)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 2360 Meadowpine Blvd. Unit 2
 Mississauga, ON L5N 7W5

Attn: Willis Asiedu
 Rachel Northey

Lab Order ID: 71991784
Analysis ID: 71991784_PLM
Date Received: 5/10/2022
Date Reported: 5/11/2022

Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0144C - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	Not Analyzed			
71991784PLM_51	tile				
S0144C - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Green With Grey And White Streaks, Loc:254, Cl	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_69	mastic				Dissolved
S0145A - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	4% Chrysotile		96% Other	Gray Non Fibrous Homogeneous
71991784PLM_52	tile				Dissolved
S0145A - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_70	mastic				Dissolved
S0145B - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	Not Analyzed			
71991784PLM_53	tile				
S0145B - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_71	mastic				Dissolved
S0145C - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	Not Analyzed			
71991784PLM_54	tile				
S0145C - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_72	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (24) Heather Boykin (27)
 Yanelis Delgado (36)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 2360 Meadowpine Blvd. Unit 2
 Mississauga, ON L5N 7W5

Attn: Willis Asiedu
 Rachel Northey

Lab Order ID: 71991784
Analysis ID: 71991784_PLM
Date Received: 5/10/2022
Date Reported: 5/11/2022

Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0146A - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	4% Chrysotile		96% Other	Tan Non Fibrous Homogeneous
71991784PLM_55	tile				Dissolved
S0146A - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_73	mastic				Dissolved
S0146B - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	Not Analyzed			
71991784PLM_56	tile				
S0146B - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_74	mastic				Dissolved
S0146C - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	Not Analyzed			
71991784PLM_57	tile				
S0146C - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255,C	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_75	mastic				Dissolved
S0147A - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
71991784PLM_58	tile				Dissolved
S0147A - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_76	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (24) Heather Boykin (27)
 Yanelis Delgado (36)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 2360 Meadowpine Blvd. Unit 2
 Mississauga, ON L5N 7W5

Attn: Willis Asiedu
 Rachel Northey

Lab Order ID: 71991784
Analysis ID: 71991784_PLM
Date Received: 5/10/2022
Date Reported: 5/11/2022

Project: 284746

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0147B - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	Not Analyzed			
71991784PLM_59	tile				
S0147B - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_77	mastic				Dissolved
S0147C - A	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	Not Analyzed			
71991784PLM_60	tile				
S0147C - B	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
71991784PLM_78	mastic				Dissolved
S0148A	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom	2% Chrysotile		98% Other	White Non Fibrous Homogeneous
71991784PLM_61					Ashed
S0148B	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom	Not Analyzed			
71991784PLM_62					
S0148C	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom	Not Analyzed			
71991784PLM_63					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (24) Heather Boykin (27)
 Yanelis Delgado (36)

Analyst

Approved Signatory

71991784
Reviewed

Report Sent by:

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:		Project Address:	
Portfolio/Building No:		Pinchin File:	284746
Submitted by:	Willis Asiedu	Email:	wasiedu@pinchin.com
CC Results to:	Rachel Northey	CC Email:	rorthey@pinchin.com
Date Submitted:	May 08 2022	Required by:	May 11 2022
# of Samples:	63	Priority:	Rush TAT
Year of Building Construction (Mandatory, Years ONLY):	1970		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	105534/20224774874176		

To be Completed by Lab Personnel Only:

Lab Reference #:		Time:	24 hour clock
Received by:	MAY 09 2022	Date:	Month Day Year
Name(s) of Analyst(s):			

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0128	A	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom
S	0128	B	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom
S	0128	C	Wall,Paint,Beige Paint On Masonry,Loc:60,Classroom
S	0129	A	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom
S	0129	B	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom
S	0129	C	Structure,Caulking,Grey Caulking On Door Frame,Loc:60,Classroom
S	0130	A	Brown Baseboard Adhesive,Loc:60,Classroom

Accepted

Returned

Shulley 5/10 12:50pm

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0130	B	Brown Baseboard Adhesive, Loc:60, Classroom
S	0130	C	Brown Baseboard Adhesive, Loc:60, Classroom
S	0131	A	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom
S	0131	B	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom
S	0131	C	Floor, Vinyl Floor Tile And Mastic, 12x12 White With Brown Flecks, Loc:60, Classroom
S	0132	A	Adhesive/mastic, Yellow Baseboard Adhesive, Loc: 16, Classroom
S	0132	B	Adhesive/mastic, Yellow Baseboard Adhesive, Loc: 16, Classroom
S	0132	C	Adhesive/mastic, Yellow Baseboard Adhesive, Loc: 16, Classroom
S	0133	A	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom
S	0133	B	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom
S	0133	C	Wall, Paint, White Paint On Masonry, Loc: 16, Classroom
S	0134	A	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom
S	0134	B	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom
S	0134	C	Wall, Paint, Purple Paint On Masonry, Loc: 16, Classroom
S	0135	A	Wall, Paint, Light Blue Paint On Masonry, Loc: 16, Classroom

11991784

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0135	B	Wall,Paint,Light Blue Paint On Masonry,Loc:16,Classroom
S	0135	C	Wall,Paint,Light Blue Paint On Masonry,Loc:16,Classroom
S	0136	A	Caulking,Grey Caulking On Door,Loc:16,Classroom
S	0136	B	Caulking,Grey Caulking On Door,Loc:16,Classroom
S	0136	C	Caulking,Grey Caulking On Door,Loc:16,Classroom
S	0137	A	Expansion JointGrey Caulking On Expansion Joint,Loc:16,Classroom
S	0137	B	Expansion JointGrey Caulking On Expansion Joint,Loc:16,Classroom
S	0137	C	Expansion JointGrey Caulking On Expansion Joint,Loc:16,Classroom
S	0138	A	Adhesive/mastic,Baseboard Adhesive,Loc:247,Classroom
S	0138	B	Adhesive/mastic,Baseboard Adhesive,Loc:247,Classroom
S	0138	C	Adhesive/mastic,Baseboard Adhesive,Loc:247,Classroom
S	0139	A	Wall,Drywall And Joint Compound,Drywall Joint Compound,Loc:247,Classroom
S	0139	B	Wall,Drywall And Joint Compound,Drywall Joint Compound,Loc:247,Classroom
S	0139	C	Wall,Drywall And Joint Compound,Drywall Joint Compound,Loc:247,Classroom
S	0140	A	Floor,Vinyl Floor Tile And Mastic,12 X 12 Green With White Streaks,Loc:247,Classroom

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0140	B	Floor,Vinyl Floor Tile And Mastic,12 X 12 Green With White Streaks,Loc:247,Classroom
S	0140	C	Floor,Vinyl Floor Tile And Mastic,12 X 12 Green With White Streaks,Loc:247,Classroom
S	0141	A	Floor,Vinyl Floor Tile And Mastic,12 X 12 White With Green Streaks,Loc:247,Classroom
S	0141	B	Floor,Vinyl Floor Tile And Mastic,12 X 12 White With Green Streaks,Loc:247,Classroom
S	0141	C	Floor,Vinyl Floor Tile And Mastic,12 X 12 White With Green Streaks,Loc:247,Classroom
S	0142	A	Caulking,Grey Caulking On Door Frame,Loc:247,Classroom
S	0142	B	Caulking,Grey Caulking On Door Frame,Loc:247,Classroom
S	0142	C	Caulking,Grey Caulking On Door Frame,Loc:247,Classroom
S	0143	A	Floor,Vinyl Floor Tile And Mastic,9x9 Black With White Streaks,Loc:254,Classroom
S	0143	B	Floor,Vinyl Floor Tile And Mastic,9x9 Black With White Streaks,Loc:254,Classroom
S	0143	C	Floor,Vinyl Floor Tile And Mastic,9x9 Black With White Streaks,Loc:254,Classroom
S	0144	A	Floor,Vinyl Floor Tile And Mastic,9x9 Green With Grey And White Streaks,Loc:254,Classroom
S	0144	B	Floor,Vinyl Floor Tile And Mastic,9x9 Green With Grey And White Streaks,Loc:254,Classroom
S	0144	C	Floor,Vinyl Floor Tile And Mastic,9x9 Green With Grey And White Streaks,Loc:254,Classroom
S	0145	A	Floor,Vinyl Floor Tile And Mastic,9x9 Grey With White Streaks,Loc:255,Classroom

71991784

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0145	B	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom
S	0145	C	Floor, Vinyl Floor Tile And Mastic, 9x9 Grey With White Streaks, Loc:255, Classroom
S	0146	A	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255, Classroom
S	0146	B	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255, Classroom
S	0146	C	Floor, Vinyl Floor Tile And Mastic, 9x9 Beige With White And Brown Streaks, Loc:255, Classroom
S	0147	A	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom
S	0147	B	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom
S	0147	C	Floor, Vinyl Floor Tile And Mastic, 9x9 Brown With White Streaks, Loc:255, Classroom
S	0148	A	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom
S	0148	B	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom
S	0148	C	Wall, Paint, Beige Paint On Masonry, Loc:255, Classroom



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	414	Date Received:	July 5, 2022
Project No.:	0284746.000	Date Analyzed:	July 5, 2022
Prepared For:	M. Dunn / R. Northey	# Samples submitted:	3
Lab Reference No.:	b274163	# Phases analyzed:	3
Analyst(s):	A. Williams		

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: 414
Project No.: 0284746.000
Prepared For: M. Dunn / R. Northey

Lab Reference No.: b274163
Date Analyzed: July 5, 2022

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0149A Beige Terrazzo, Floor, Corridor 115H (Loc. 71)	Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0149B Beige Terrazzo, Floor, Corridor 115H (Loc. 71)	Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0149C Beige Terrazzo, Floor, Corridor 115H (Loc. 71)	Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:

Analyzed by: AW
 Reviewed by: KB
 Report Sent by: KB

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:		Project Address:	
Portfolio/Building No:	414	Pinchin File:	284746
Submitted by:	Meaghan Dunn	Email:	<u>mdunn@pinchin.com</u>
CC Results to:	Rachel Northey	CC Email:	<u>rnorthey@pinchin.com</u>
Date Submitted:	July 4 2022	Required by:	July 12 2022
# of Samples:	3	Priority:	Regular-TAT →
Year of Building Construction (Mandatory, Years ONLY):	1970	CHANGED TO RUSH DEL M. DUNN 7.5.2022	
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	105534/20224774674176		
To be Completed by Lab Personnel Only: <u>6274163 AL</u>			
Lab Reference #:		Time:	24 hour clock
Received by:	<u>JUL 05 2022</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>AW July 5/22</u>		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0149	A	Beige Terrazzo, Floor, Corridor 115H (Loc. 71) ND
S	0149	B	Beige Terrazzo, Floor, Corridor 115H (Loc. 71) ND
S	0149	C	Beige Terrazzo, Floor, Corridor 115H (Loc. 71) ND

APPENDIX II-B
Lead Analytical Certificates



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
204-160 Charlotte Street
Peterborough, ON K9J 2T8

Attn: Jordan Birney
Chris Fennell

Lab Order ID: 71972374
Analysis ID: 71972374_PBP
Date Received: 8/12/2021
Date Reported: 8/18/2021

Project: Port Hope HS Water Filling Station

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
L0029	White paint on plaster walls - Corridor 100H (Loc. 267)	0.0874	55	0.0055%
71972374PBP_1				
L0030	Beige paint on plaster walls - Kitchen 102B (Loc. 152)	0.0547	< 73	< 0.0073%
71972374PBP_2				
L0031	White paint on drywall walls - Cafeteria 102 (Loc. 157)	0.0970	< 41	< 0.0041%
71972374PBP_3				
L0032	Off-white paint on masonry walls - Custodian Room 210 (Loc. 207)	0.0627	< 64	< 0.0064%
71972374PBP_4				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb). Unless indicated, areas and volumes were provided by the customer.

Athena Summa (4)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director

71972374

Version 1-15-2012

Client: Pinchin Ltd.
Contact: Jordan Birney
Address: 160 Charlotte Street, Suite 204
 Peterborough, Ontario
Phone: 705.748.4627
Email: jbirney@pinchin.com
CC: cfennell@pinchin.com

Project: Port Hope HS Water Filling Station

Pinchin File # 284746.001
Date Submitted: 8/10/2021 0:00

Analysis: Lead in Paint
TurnAroundTime: Regular

***Instructions:**
 Use Column "B" for your contact info

To See an Example Click the
 bottom Example Tab.

Enter samples between "<<" and ">>"
 Begin Samples with a "<<" above the first sample
 and end with a ">>" below the last sample.
 Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional
 fields that do not show up on the official
 report, however they will be included
 in the electronic data returned to you
 to facilitate your reintegration of the report data.

Invoice to:
 Chris Fennell
 cfennell@pinchin.com



4604 Dundas Dr.
 Greensboro, NC 27407
 Phone: 336.292.3888
 Fax: 336.292.3313
 Email: lab@sailab.com

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
L0029		White paint on plaster walls - Corridor 100H (Loc. 267)	
L0030		Beige paint on plaster walls - Kitchen 102B (Loc. 152)	
L0031		White paint on drywall walls - Cafeteria 102 (Loc. 157)	
L0032		Off-white paint on masonry walls - Custodian Room 210 (Loc. 207)	
>>			

Accepted

Rejected

N. Francis 8/12 10:30 A



Your Project #: 284746
Your C.O.C. #: na

Attention: Willis Asiedu

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2022/05/12
Report #: R7122260
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2C4899

Received: 2022/05/10, 09:00

Sample Matrix: Bulk
Samples Received: 6

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Metals in Paint	4	2022/05/11	2022/05/11	CAM SOP-00408	EPA 6010D m
Metals in Paint	2	2022/05/11	2022/05/12	CAM SOP-00408	EPA 6010D m

Remarks:
Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 284746
Your C.O.C. #: na

Attention: Willis Asiedu

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2022/05/12
Report #: R7122260
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2C4899
Received: 2022/05/10, 09:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Antonella Brasil, Senior Project Manager
Email: Antonella.Brasil@bureauveritas.com
Phone# (905)817-5817

=====

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For Service Group specific validation please refer to the Validation Signature Page.



ELEMENTS BY ATOMIC SPECTROSCOPY (BULK)

Bureau Veritas ID		SOP993			SOP994			
Sampling Date								
COC Number		na			na			
	UNITS	L0029, BEIGE PAINT ON MASONRY,LOC:60,CLASSROOM	RDL	MDL	L0030, BLUE PAINT ON METAL DOOR FRAME,LOC:60,CLASSROOM	RDL	MDL	QC Batch

Metals								
Lead (Pb)	%	0.16	0.0010	0.00030	0.18	0.0013	0.00039	7988040
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								

Bureau Veritas ID		SOP995			SOP996			
Sampling Date								
COC Number		na			na			
	UNITS	L0031, WHITE PAINT ON MASONRY,LOC:16,CLASSROOM	RDL	MDL	L0032, PURPLE PAINT ON MASONRY,LOC:16,CLASSROOM	RDL	MDL	QC Batch

Metals								
Lead (Pb)	%	0.0058	0.00019	0.000057	0.020	0.00010	0.000030	7988040
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								

Bureau Veritas ID		SOP997			SOP998			
Sampling Date								
COC Number		na			na			
	UNITS	L0033, LIGHT BLUE PAINT ON MASONRY,LOC:16,CLASSROOM	RDL	MDL	L0034, BEIGE PAINT ON DRYWALL,LOC:247,CLASSROOM	RDL	MDL	QC Batch

Metals								
Lead (Pb)	%	0.012	0.00010	0.000030	0.017	0.00014	0.000042	7988040
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU
VERITAS

Bureau Veritas Job #: C2C4899

Report Date: 2022/05/12

Pinchin Ltd

Client Project #: 284746

Sampler Initials: WA

GENERAL COMMENTS

Sample SOP994 [L0030, BLUE PAINT ON METAL DOOR FRAME,LOC:60,CLASSROOM] : Metals: Due to limited amount of sample available for analysis, a smaller than usual portion of the samples were used. Detection limits were adjusted accordingly.

Sample SOP995 [L0031, WHITE PAINT ON MASONRY,LOC:16,CLASSROOM] : Metals: Due to limited amount of sample available for analysis, a smaller than usual portion of the samples were used. Detection limits were adjusted accordingly.

Sample SOP998 [L0034, BEIGE PAINT ON DRYWALL,LOC:247,CLASSROOM] : Metals: Due to limited amount of sample available for analysis, a smaller than usual portion of the samples were used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C2C4899

Report Date: 2022/05/12

QUALITY ASSURANCE REPORT

Pinchin Ltd

Client Project #: 284746

Sampler Initials: WA

QC Batch	Parameter	Date	Matrix Spike		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7988040	Lead (Pb)	2022/05/11	88	75 - 125	<0.00010	%	21	35	103	75 - 125

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



BUREAU
VERITAS

Bureau Veritas Job #: C2C4899
Report Date: 2022/05/12

Pinchin Ltd
Client Project #: 284746
Sampler Initials: WA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

A handwritten signature in black ink, appearing to read 'Brad Newman', written over a horizontal line.

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

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6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page ____ of ____

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: Pinchin Ltd. Contact Name: Willis Address: 191 Bloor St. E Oshawa Ontario Phone: 289.830.2435 Fax: Email: wasiedu@pinchin.com , morthey@pinchin.com	Company Name: Contact Name: Address: Phone: Fax: Email:	Quotation #: P.O. #/ AFE#: Project #: 284746 Site Location: Site #: Site Location Province: Sampled By:	<input type="checkbox"/> Regular TAT (5-7 days) Most analyses PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Rush TAT (Surcharges will be applied) <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days Date Required: Tuesday 10-May Rush Confirmation #:

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY

Regulation 153	Other Regulations	Analysis Requested	LABORATORY USE ONLY																										
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N	<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____	# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / CrVI BTEX/ PHC F1 PHCs F2 - F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMS METALS REG 153 METALS (Hg, Cr, VI, ICPMS Metals, HWS - B) Lead (Pb) in Paints PCBs HOLD- DO NOT ANALYZE	<table border="1"> <tr> <th colspan="2">CUSTODY SEAL</th> <th rowspan="2">COOLER TEMPERATURES</th> </tr> <tr> <th>Y</th> <th>N</th> </tr> <tr> <td>Present</td> <td>Intact</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">COOLING MEDIA PRESENT: Y / N</td> </tr> <tr> <td colspan="3">COMMENTS</td> </tr> </table>	CUSTODY SEAL		COOLER TEMPERATURES	Y	N	Present	Intact														COOLING MEDIA PRESENT: Y / N			COMMENTS		
CUSTODY SEAL		COOLER TEMPERATURES																											
Y	N																												
Present	Intact																												
COOLING MEDIA PRESENT: Y / N																													
COMMENTS																													

Include Criteria on Certificate of Analysis: Y / N
 SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr, VI, ICPMS Metals, HWS - B)	Lead (Pb) in Paints	PCBs	HOLD- DO NOT ANALYZE
L0029, Beige Paint On Masonry, Loc:60, Classroom			BULK									X		
L0030, Blue Paint On Metal Door Frame, Loc:60, Classroom			BULK									X		
L0031, White Paint On Masonry, Loc:16, Classroom			BULK									X		
L0032, Purple Paint On Masonry, Loc:16, Classroom			BULK									X		
L0033, Light Blue Paint On Masonry, Loc:16, Classroom			BULK									X		
L0034, Beige Paint On Drywall, Loc:247, Classroom			BULK									X		

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)
Willis			<i>[Signature]</i>	02/05/10	09:00

10-May-22 09:00
 Antonella Brasil

C2C4899
 J L ENV-1719

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody is an acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>



Your Project #: 335495.027
Your C.O.C. #: n/a

Attention: Rachel Northey

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2024/01/04
Report #: R7977709
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BS982
Received: 2023/12/28, 09:40

Sample Matrix: Solid
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	2	2024/01/03	2024/01/04	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 335495.027
Your C.O.C. #: n/a

Attention: Rachel Northey

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2024/01/04
Report #: R7977709
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BS982
Received: 2023/12/28, 09:40

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

=====

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ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		XZL909			XZL910			
Sampling Date								
COC Number		n/a			n/a			
	UNITS	L0037,WHITE PAINT ON DRYWALL,LOC:262,CLASSROOM	RDL	MDL	L0038,WHITE PAINT ON BLOCK WALL,LOC:259,CLASSROOM	RDL	MDL	QC Batch

Metals								
Lead (Pb)	%	0.030	0.00015	0.000045	0.0030	0.00010	0.000030	9140893
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



**BUREAU
VERITAS**

Bureau Veritas Job #: C3BS982
Report Date: 2024/01/04

Pinchin Ltd
Client Project #: 335495.027
Sampler Initials: NR

GENERAL COMMENTS

Sample XZL909 [L0037,WHITE PAINT ON DRYWALL,LOC:262,CLASSROOM] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C3BS982

Report Date: 2024/01/04

QUALITY ASSURANCE REPORT

Pinchin Ltd

Client Project #: 335495.027

Sampler Initials: NR

QC Batch	Parameter	Date	Matrix Spike		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9140893	Lead (Pb)	2024/01/04	NC	75 - 125	<0.00010	%	6.1	35	98	75 - 125

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)



BUREAU
VERITAS

Bureau Veritas Job #: C3BS982
Report Date: 2024/01/04

Pinchin Ltd
Client Project #: 335495.027
Sampler Initials: NR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

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6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page ____ of ____

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required					
Company Name: Pinchin Ltd.		Company Name: Pinchin Ltd.		Quotation #:		<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses					
Contact Name: Rachel Northey		Contact Name: Nicholas Robinson		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS					
Address: 191 Bloor Street East, Oshawa, Ontario, L1H 3M3		Address: 191 Bloor Street East, Oshawa, ON, L1H 3M3		Project #: 335495.027		Rush TAT (Surcharges will be applied)					
Phone: 705.313.0708 Fax: N/A		Phone: 365.822.1361 Fax:		Site Location:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days					
Email: rnorthey@pinchin.com		Email: nrobinson@pinchin.com		Site #:		Date Required: 5 day turn around upon receiving					
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY				Site Location Province: _____ ON		Rush Confirmation #:					
Regulation 153		Other Regulations		Analysis Requested				LABORATORY USE ONLY			
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N		<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO <input type="checkbox"/> Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____		# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / CVI BTEX/ PHC F1 PHCS F2 - F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMs METALS REG 153 METALS (Hg, Cr, VI, ICPMs Metals, HWS - B) Lead (Pb) in Paints PCBs HOLD- DO NOT ANALYZE				CUSTODY SEAL Y / N Present Intact H N COOLING MEDIA PRESENT: Y / (N)		COMMENTS	
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS									
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH-MM)	MATRIX							
L0037, White Paint On Drywall, Loc:262, Classroom											
L0038, White Paint On Block Wall, Loc:259, Classroom											
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH-MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH-MM)						
<i>M. J. Robinson</i>	2023/12/27	12:30	<i>Sucane Sawik</i>	2027/12/28	09:40	28-Dec-23 09:40 Nilushi Mahathantila					

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C3BS982
 RPK ENV-1163



Your Project #: 335495.027
Your C.O.C. #: na

Attention: Rachel Northey

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2024/02/02
Report #: R8013561
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C431249

Received: 2024/02/01, 09:57

Sample Matrix: Solid
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	2	2024/02/02	2024/02/02	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 335495.027
Your C.O.C. #: na

Attention: Rachel Northey

Pinchin Ltd
191 Bloor St E
Unit 11
Oshawa, ON
CANADA L1H 3M3

Report Date: 2024/02/02
Report #: R8013561
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C431249
Received: 2024/02/01, 09:57

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

=====
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BUREAU
VERITAS

Bureau Veritas Job #: C431249
Report Date: 2024/02/02

Pinchin Ltd
Client Project #: 335495.027
Sampler Initials: NR

ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		YGO265			YGO266			
Sampling Date		2024/01/30 16:30			2024/01/30 16:30			
COC Number		na			na			
	UNITS	L0039, BLUE PAINT ON METAL PIECES,LOC:259,CLASS ROOM	RDL	MDL	L0040, LIGHT BLUE PAINT ON METAL FRAMES,LOC:260,STO RAGE	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.041	0.0015	0.00045	0.043	0.00042	0.00013	9197691
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



**BUREAU
VERITAS**

Bureau Veritas Job #: C431249
Report Date: 2024/02/02

Pinchin Ltd
Client Project #: 335495.027
Sampler Initials: NR

GENERAL COMMENTS

Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C431249

Report Date: 2024/02/02

QUALITY ASSURANCE REPORT

Pinchin Ltd

Client Project #: 335495.027

Sampler Initials: NR

QC Batch	Parameter	Date	Matrix Spike		Method Blank		QC Standard	
			% Recovery	QC Limits	Value	UNITS	% Recovery	QC Limits
9197691	Lead (Pb)	2024/02/02	NC	75 - 125	<0.00010	%	94	75 - 125

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)



BUREAU
VERITAS

Bureau Veritas Job #: C431249
Report Date: 2024/02/02

Pinchin Ltd
Client Project #: 335495.027
Sampler Initials: NR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

A handwritten signature in black ink, appearing to read 'Anastassia Hamanov', written over a horizontal line.

Anastassia Hamanov, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

RUSH!



6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page ____ of ____

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required						
Company Name: Pinchin Ltd.		Company Name: Pinchin Ltd.		Quotation #:		<input type="checkbox"/> Regular TAT (5-7 days) Most analyses						
Contact Name: Rachel Northey		Contact Name: Nicholas Robinson		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS						
Address: 191 Bloor St E, Oshawa, ON, L1H 3M3		Address: 191 Bloor St E, Oshawa, ON, L1H 3M3		Project #: 335495.027		Rush TAT (Surcharges will be applied)						
Phone: 705.313.0708 Fax:		Phone: 365.822.1361 Fax:		Site Location:		<input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days						
Email: rnorthey@pinchin.com		Email: nrobinson@pinchin.com		Site #:		Date Required: Rush TaT						
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY				Site Location Province: ON		Rush Confirmation #:						
				Sampled By: Nicholas Robinson								
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY						
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N		<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____		# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / CrVI BTEX/PHCF1 PHCS F2 - F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMS METALS REG 153 METALS (Hg, Cr, VI, ICPMS Metals, HWS - B) Lead (Pb) in Paints PCBs		CUSTOMER SEAL Y / N <table border="1"> <tr> <th>Present</th> <th>Intact</th> <th rowspan="2">COOLER TEMPERATURES</th> </tr> <tr> <td>2</td> <td>2</td> </tr> </table> COOLING MEDIA PRESENT: Y / (N) COMMENTS		Present	Intact	COOLER TEMPERATURES	2	2
Present	Intact	COOLER TEMPERATURES										
2	2											
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS										
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX								
L0039, Blue Paint On Metal Pieces, Loc:259, Classroom		2024-01-30	16:30	BULK								
L0040, Light Blue Paint On Metal Frames, Loc:260, Storage		2024-01-30	16:30	BULK								
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #						
Nicholas Robinson	2024-01-31	9:00	<i>Nicholas Robinson</i>	2024/02/01	09:57							

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody is an acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>

01-Feb-24 09:57

Antonella Brasil



C431249

J_L ENV-1781

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Nicholas Robinson

Pinchin Ltd. (Oshawa)
191 Bloor St E, Oshawa, Ont, L1H 3M3

Date of Issue: Jan 05, 2024

Report Description: 1 solid sample was submitted for the following chemical analysis

Project Name:		Date Sampled:	Nov 27, 2023
Project No.:	335495.027	Date Tested:	Jan 04, 2024
Site Location:		Sampled by:	Nicholas R

Report Number: 23-1602

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	<u>Sample ID:</u> P0008 - Grey Caulking (Loc 262)					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results apply to the sample as received.

Approved By:

Son C.H. Le, (Chem.)

Lab Manager

Phone: (519) 740-1333 Ext.: 1030

Fax: (519) 740-2320

Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology



1.0 GENERAL

An inspection was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The inspection for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

Analytical results were compared to the following criteria.



Jurisdiction	Friable	Non-Friable
Ontario	0.5%	0.5%

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

Asbestos materials were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was based on several factors:

- Friability (friable or non-friable);
- Condition (good, fair, poor, debris);
- Accessibility (ranking from accessible to all building users to inaccessible);
- Visibility (whether the material is obscured by other building components).
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible was collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction	Units (%)	Units (ppm) / (mg/kg)
Ontario	0.1	1000

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury was identified by visually inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Polychlorinated Biphenyls

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.

Caulking, sealants, or paints were sampled and submitted for PCB analysis following EPA 3550C/8082A.

Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

1.6 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

APPENDIX IV
Location Summary Report

Client:KPRDSB

Site: 130 Highland Drive, Port Hope, ON

Building Name: Port Hope High School

Survey Date:

Last Re-Assessment: 2023-12-27

Building Phases: A:

Location No.	Name or Description	Area ft ²	Floor No.	Bldg. Phase	Notes
246	Classroom, room no. 233	1300	2		Location 245 merged with Location 246.
247	Classroom, room no. 235	1000	2		
257	Classroom, room no. 244	1000	2		
259	Classroom, room no. 246	1000	2		
260	Storage, room no. 246A	100	2		
261	Classroom, room no. 245	1000	2		
262	Classroom, room no. 247	1000	2		

APPENDIX V
Hazardous Materials Summary Report / Sample Log

Client:KPRDSB		Site: 130 Highland Drive, Port Hope, ON		Building Name: Port Hope High School				Survey Date:			
HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0003	Wall Plaster Plaster, Wall, Loc. 24	246		0	600	0	0	None Detected	No	
Asbestos	V0010	Floor Vinyl Floor Tile And Mastic Vft 12x12 Off White With Grey Streaks, Loc. 175	246		0	150	0	0	Chrysotile	Yes	NF
Asbestos	V0023	Floor Vinyl Floor Tile And Mastic Vft 12x12 Grey With White Streaks, Loc. 20	246		0	150	0	0	Chrysotile	Yes	NF
Asbestos	V0119	Wall Mastic Chalkboard Mastic	246,247,257,259,261,262		0	600	0	0	None Detected	No	
Asbestos	S0138 ABC	Wall Adhesive/mastic Baseboard Adhesive	247		0	30	0	0	None Detected	No	
Asbestos	S0139 ABC	Wall Drywall And Joint Compound Drywall Joint Compound	247		0	600	0	0	Chrysotile	Yes	NF
Asbestos	S0140 ABC	Floor Vinyl Floor Tile 12 X 12 Green With White Streaks	246,247		0	1000	0	0	Chrysotile	Yes	NF
Asbestos	S0141 ABC	Floor Vinyl Floor Tile 12 X 12 White With Green Streaks	246,247		0	1000	0	0	Chrysotile	Yes	NF
Asbestos	S0142 ABC	Wall Caulking Grey Caulking On Door Frame	247		0	20	0	0	Chrysotile	Yes	NF
Asbestos	V0148	Wall Paint Beige Paint On Masonry	247		0	200	0	0	Chrysotile	Yes	NF
Asbestos	S0158 ABC	Wall Drywall And Joint Compound Djc On Wall	261,262		0	800	0	0	Chrysotile	Yes	NF
Asbestos	S0159 ABC	Wall Paint White Paint On Block Wall	262		0	1500	0	0	Chrysotile	Yes	NF
Asbestos	S0160 ABC	Wall Paint White Paint On Block Walls	261		0	1500	0	0	Chrysotile	Yes	NF
Asbestos	S0161 ABC	Wall Paint White Paint On Block Walls	259,260		0	1750	0	0	Chrysotile	Yes	NF
Asbestos	S0162 ABC	Wall Paint White Paint On Block Wall	246,257		0	1800	0	0	Chrysotile	Yes	NF
Asbestos	S0163 ABC	Floor Vinyl Floor Tile And Mastic 12in By 12in White Mottled Vft And Mastic	259,260		0	1100	0	0	None Detected	No	
Asbestos	S0164 ABC	Wall Mastic Mastic Behind Vinyl Baseboard	257,259,261,262		0	4000	0	0	None Detected	No	
Asbestos	S0165 ABC	Wall Caulking Grey Caulking Around Windows	246,247,257,259,261,262		260	0	0	0	None Detected	No	
Asbestos	S0166 ABC	Ceiling Adhesive/mastic Its Important To Mention That The Acm Layer Was The Acoustic Ceiling Tile Not The Mastic.	257,259,260,262		0	3100	0	0	[None]	[No]	
Asbestos	S0167 ABC	Ceiling Ceiling Tiles (glue-on)	257,259,260,262		0	3100	0	0	Amosite	Yes	PF
Asbestos	S0168 ABC	Floor Vinyl Floor Tile 9in By 9in Vft And Mastic.	261,262		0	1500	0	0	Chrysotile	Yes	NF
Asbestos	S0169 ABC	Floor Vinyl Floor Tile	257		0	1000	0	0	Chrysotile	Yes	NF
Asbestos	S0170 ABC	Wall Mastic Mastic Behind Baseboard	260		0	21	0	0	None Detected	No	
Asbestos	S0171 ABC	Other Sink Mastic Mastic On Sink Bottom	260		0	0	1	0	Chrysotile	Yes	NF
Asbestos	V0000	Ceiling Ceiling Tiles (lay-in)	246,247,261		0	3300	0	0	Non	No	

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
									Asbestos		
Paint	V0029	Wall Masonry Beige Paint On Masonry	246,247		0	1100	0	0	Lead (High)	Yes	-
Paint	L0034	Wall Drywall And Joint Compound Beige Paint On Drywall	247		0	600	0	0	Lead (Low)	Yes	-
Paint	L0037	Wall Drywall And Joint Compound White Paint On Drywall	261,262		0	800	0	0	Lead (Low)	Yes	-
Paint	V0038	Wall Masonry White Paint On Block Wall	257,259,260,261,262		0	6250	0	0		No	-
Paint	L0039	Other Metal Blue Paint On Various Metal Pieces	246,247,257,259,261,262		0	180	0	0	Lead (Low)	Yes	-
Paint	L0040	Other Metal Light Blue Paint On Metal Frames	260		0	20	0	0	Lead (Low)	Yes	-
Paint	V9500	Duct Paint White paint on duct	260		0	20	0	0	Presumed Lead	Yes	-
Paint	V9500	Mechanical Equipment Paint White paint on radiator	260		0	10	0	0	Presumed Lead	Yes	-
Paint	V9500	Other Metal Black paint on metal door and frame, Grey paint on electrical panel door	261,262		0	33	0	0	Presumed Lead	Yes	-
PCB	P0008	Caulking Grey Caulking Near Windows	246,247,257,259,261,262		300	0	0	0	-	No	-
PCB	V9500	Caulking	247		0	20	0	0	Presumed PCB	Yes	-
Hg	V9000	Light Fixture	246,247		0	0	64	0	Hg	Yes	-
Hg	V9000	Light Fixture	257,259,261,262		0	0	152	0	Hg	Yes	-

Legend:

Sample number		Units		
S####	Asbestos sample collected	SF	Square feet	NF Non Friable material.
L####	Paint sample collected	LF	Linear feet	F Friable material
P####	PCB sample collected	EA	Each	PF Potentially Friable material
M####	Mould sample collected	%	Percentage	
V####	Material visually similar to numbered sample collected			
V0000	Known non Hazardous Material			
V9000	Material is visually identified as Hazardous Material			
V9500	Material is presumed to be Hazardous Material			
[Loc. No.]	Abated Material			

APPENDIX VI
All Data Report

Client: KPRDSB
Location: #246 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 233
Last Re-Assessment: 2023-12-27

Area (sqft): 1300

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling ¹		Ceiling Tiles (lay-in)			C	Y		1300			SF	V0000	Non-Asbestos		None	
Duct	All	Not Insulated														
Floor		Vinyl Floor Tile and Mastic	Surface		A	Y		150			SF	V0010	Chrysotile	5-10%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic	Surface		A	Y		150			SF	V0023	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile	Surface		A	Y		500			SF	V0141	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile	Surface		A	Y		500			SF	V0140	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		None Found														
Structure		Not Insulated														
Wall		Concrete (precast)														
Wall		Plaster	Surface	Paint	A	Y		600			SF	V0003	None Detected	N.D.	None	
Wall		Masonry			A	Y		300			SF					
Wall		Paint, White paint on block wall			B	Y		300			SF	V0162	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Wallboard w/Plastic Laminate														
Wall		Caulking, Grey caulking around windows			B	Y		40			LF	V0165	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

Location 245 merged with Location 246.
1 - Dated 03/31/04.

Client: KPRDSB
Location: #246 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 233
Last Re-Assessment: 2023-12-27

Area (sqft): 1300

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	300		SF	V0029	Beige paint on masonry	Pb: 0.16 %	Lead (High)	
Other	Metal	30		SF	V0039	Blue paint on door frame and metal cabinet	Pb: 0.041 %	Lead (Low)	
Wall	Plaster	600		SF	V0029	White paint on plaster	Pb: 0.16 %	Lead (High)	

Location 245 merged with Location 246.

Client: KPRDSB
Location: #246 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 233
Last Re-Assessment: 2023-12-27

Area (sqft): 1300

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	32	EA	V9000	Yes

Location 245 merged with Location 246.

Client: KPRDSB
Location: #246 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 233
Last Re-Assessment: 2023-12-27

Area (sqft): 1300

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	V0008	Grey caulking on windows	<0.2 mg/kg	No

Location 245 merged with Location 246.

Client: KPRDSB
Location: #247 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 235
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling ¹		Ceiling Tiles (lay-in)			C	Y		1000			SF	V0000	Non-Asbestos		None	
Duct	All	Not Insulated														
Floor		Vinyl Floor Tile, 12 x 12 green with white streaks	Surface		A	Y		500			SF	S0140ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile, 12 x 12 white with green streaks	Surface		A	Y		500			SF	S0141ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		None Found														
Structure		Concrete (precast)			A	N										
Wall		Concrete (precast)														
Wall		Drywall and joint compound	Surface		A	Y		600			SF	S0139ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Paint, Beige paint on masonry			A	Y		200			SF	V0148	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Adhesive/mastic, Baseboard adhesive			A	Y		30			SF	S0138ABC	None Detected	N.D.	None	
Wall		Caulking, Grey caulking on door frame			A	Y		20			SF	S0142ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Grey caulking around windows			B	Y		50			LF	V0165	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

1 - Dated 03/31/04.

Client: KPRDSB
Location: #247 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 235
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Drywall and joint compound	600		SF	L0034	Beige paint on drywall	Pb: 0.017 %	Lead (Low)	
Wall	Concrete (poured)	200		SF	V0029	Beige paint on masonry	Pb: 0.16 %	Lead (High)	
Structure	Metal	30		SF	V0039	Blue paint on metal door frame	Pb: 0.041 %	Lead (Low)	

Client: KPRDSB
Location: #247 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 235
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	32	EA	V9000	Yes

Client: KPRDSB
Location: #247 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 235
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	P0008	Grey caulking on windows	<0.2 mg/kg	No
Caulking	20	SF	V9500	Grey caulking around door frames		Presumed

Client: KPRDSB
Location: #257 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 244
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1' by 1' pinhole			C	Y		1000			SF	S0167C	Amosite	0.5-5%	Confirmed Asbestos	PF
Ceiling		Adhesive/mastic, Additional phase of tile is asbestos containing, mastic non-detected.		Ceiling tiles (glue-on)	D	N		1000			SF	S0166C	[None Detected]	N.D.	[None]	
Duct		None Found														
Floor		Vinyl Floor Tile			A	Y		1000			SF	S0169ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		Not Insulated, Pipes behind shelving unit			B	N		50			LF					
Structure	Not Accessible	N/A														
Wall		Masonry														
Wall		Paint, White paint on block wall			B	Y		1500			SF	S0162ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Grey caulking around windows			B	Y		40			LF	V0165	None Detected	N.D.	None	
Wall		Mastic, Mastic behind vinyl baseboard		Wall covering	A	Y		1000			SF	V0164	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

Client: KPRDSB
Location: #257 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 244
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Other	Metal	30		SF	V0039	Blue paint on door frame and metal cabinet	Pb: 0.041 %	Lead (Low)	
Wall	Masonry	1500		SF	V0038	White paint on block wall	Pb: 0.003 %	No	

Client: KPRDSB
Location: #257 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 244
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	32	EA	V9000	Yes

Client: KPRDSB
Location: #257 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 244
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	V0008	Grey caulking on windows	<0.2 mg/kg	No

Client: KPRDSB
Location: #259 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1' by 1' pinhole			C	Y		1000			SF	S0167B	Amosite	0.5-5%	Confirmed Asbestos	PF
Ceiling		Adhesive/mastic, Overridden with the samples being contaminated with the tile.		Ceiling tiles (glue-on)	D	N		1000			SF	S0166B	[None Detected]	N.D.	[None]	
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12in by 12in white mottled			A	Y		1000			SF	S0163ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		Not Insulated, Not insulated pipe behind shelving unit			B	N		50			LF					
Structure	Not Accessible	N/A														
Wall		Masonry														
Wall		Paint, White paint on block walls			B	Y		1500			SF	S0161ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Grey caulking around windows			B	Y		40			LF	V0165	None Detected	N.D.	None	
Wall		Mastic, Mastic behind vinyl baseboard		Wall covering	A	Y		1000			SF	S0164C	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

Client: KPRDSB
Location: #259 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1500		SF	V0038	White paint on block wall	Pb: 0.003 %	No	
Other	Metal	30		SF	L0039	Blue paint on various metal pieces	Pb: 0.041 %	Lead (Low)	

Client: KPRDSB
Location: #259 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	32	EA	V9000	Yes

Client: KPRDSB
Location: #259 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	V0008	Grey caulking on windows	<0.2 mg/kg	No

Client: KPRDSB
Location: #260 : Storage
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246A
Last Re-Assessment: 2023-12-27

Area (sqft): 100

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1' by 1' pinhole			C	Y		100			SF	V0167	Amosite	0.5-5%	Confirmed Asbestos	PF
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		100			SF	V0166	[None Detected]	N.D.	[None]	
Duct		Not Insulated														
Floor ¹		Vinyl Floor Tile and Mastic, 12 by 12 white mottled			A	Y		100			SF	V0163	None Detected	N.D.	None	
Mechanical Equipment		Not Insulated														
Other		None Found														
Other ²	Sink	Mastic, Mastic on sink bottom			B	Y		1			EA	S0171ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Structure	Not Accessible	N/A														
Wall		Masonry														
Wall		Paint			B	Y		250			SF	V0161	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Mastic, Mastic behind baseboard		Wall covering	B	Y		21			SF	S0170ABC	None Detected	N.D.	None	

1 - F - New 12x12 Off white with grey splotch. post 2005
2 - Mastic is located on the underside of the sink

Client: KPRDSB
Location: #260 : Storage
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 246A
Last Re-Assessment: 2023-12-27

Area (sqft): 100

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Other	Metal	20		SF	L0040	Light blue paint on metal frames	Pb: 0.043 %	Lead (Low)	
Wall	Masonry	250		SF	V0038	White paint on block walls	Pb: 0.003 %	No	
Duct	Paint	20		SF	V9500	White paint on duct		Presumed Lead	
Mechanical Equipment	Paint	10		SF	V9500	White paint on radiator		Presumed Lead	

Client: KPRDSB
Location: #261 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 245
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling ¹		Ceiling Tiles (lay-in)			C	Y		1000			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Vinyl Floor Tile, 9in by 9in vft and mastic			A	Y		500			SF	S0168AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		Not Insulated, Not insulated pipe behind shelving units			B	N		40			LF					
Structure		Not Insulated														
Wall		Drywall and joint compound			B	Y		400			SF	S0158BC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Paint, White paint on block walls			B	Y		1500			SF	S0160ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Grey caulking around windows			B	Y		40			LF	S0165B	None Detected	N.D.	None	
Wall		Mastic, Mastic behind vinyl baseboard		Wall covering	A	Y		1000			SF	S0164B	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

1 - Dated 03/31/04.

Client: KPRDSB
Location: #261 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 245
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Other	Metal	30		SF	V0039	Blue paint on metal door and frame	Pb: 0.041 %	Lead (Low)	
Other	Metal	30		SF	V9500	Black paint on metal door and frame		Presumed Lead	
Wall	Drywall and joint compound	400		SF	V0037	White paint on drywall	Pb: 0.030 %	Lead (Low)	
Wall	Masonry	1500		SF	V0038	White paint on block wall	Pb: 0.003 %	No	

Client: KPRDSB
Location: #261 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 245
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	44	EA	V9000	Yes

Client: KPRDSB
Location: #261 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 245
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	V0008	Grey caulking on windows	<0.2 mg/kg	No

Client: KPRDSB
Location: #262 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 247
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1' by 1' pinhole	Surface		C	Y		1000			SF	S0167A	Amosite	0.5-5%	Confirmed Asbestos	PF
Ceiling		Adhesive/mastic, Overridden with the samples being contaminated with the tile.		Ceiling tiles (glue-on)	D	N		1000			SF	S0166A	[None Detected]	N.D.	[None]	
Duct		None Found														
Floor		Vinyl Floor Tile, 9in by 9in light green vinyl floor tile	Surface		A	Y		1000			SF	S0168C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		Not Insulated, Not insulated pipe behind shelving units			B	N										
Structure	Not Accessible	N/A														
Wall		Concrete (precast)														
Wall		Drywall and joint compound			B	Y		400			SF	S0158A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Paint, White paint on block wall			B	Y		1500			SF	S0159ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Grey caulking near windows			B	Y		50			LF	S0165AC	None Detected	N.D.	None	
Wall		Mastic, Mastic behind vinyl baseboard		Wall covering	A	Y		1000			SF	S0164A	None Detected	N.D.	None	
Wall		Mastic, Chalkboard & Corkboard mastic			A	Y	N	100			SF	V0119	None Detected	N.D.	None	

Client: KPRDSB
Location: #262 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 247
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	L0037	White paint on drywall	Pb: 0.030 %	Lead (Low)
Other	Metal	30		SF	V0039	Blue paint on door and frame	Pb: 0.041 %	Lead (Low)
Other	Metal	3		SF	V9500	Grey paint on electrical panel door		Presumed Lead
Wall	Masonry	1500		SF	V0038	White paint on block wall	Pb: 0.003 %	No

Client: KPRDSB
Location: #262 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 247
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	44	EA	V9000	Yes

ALL DATA REPORT

Client: KPRDSB
Location: #262 : Classroom
Survey Date: 2023-12-27

Site: 130 Highland Drive, Port Hope, ON
Floor: 2

Building Name: Port Hope High School
Room #: 247
Last Re-Assessment: 2023-12-27

Area (sqft): 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	P0008	Grey caulking near windows	<0.2 mg/kg	No

Legend:



Sample number		Units		Other	
S####	Asbestos sample collected	SF	Square feet	A	Access
L####	Paint sample collected	LF	Linear feet	V	Visible
P####	PCB sample collected	EA	Each	AP	Air Plenum
M####	Mould sample collected	%	Percentage	F	Friable material
V####	Material is visually identified to be identical to S####	LF	Linear feet	NF	Non Friable material
V0000	Known non hazardous material			PF	Potentially Friable material
V9000	Material visually identified as a Hazardous Material			Pb	Lead
V9500	Material is presumed to be a hazardous material			Hg	Mercury
				As	Arsenic
				Cr	Chromium

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is known to contain regulated concentrations of asbestos; either by analytical results or visible identification (use of the V9000 code).
	The material is presumed to contain asbestos; based on visual appearances; typically a material known to historically contain asbestos; however, not sampled due to limited access or the destructive nature of the sampling.

APPENDIX VII
Photographs



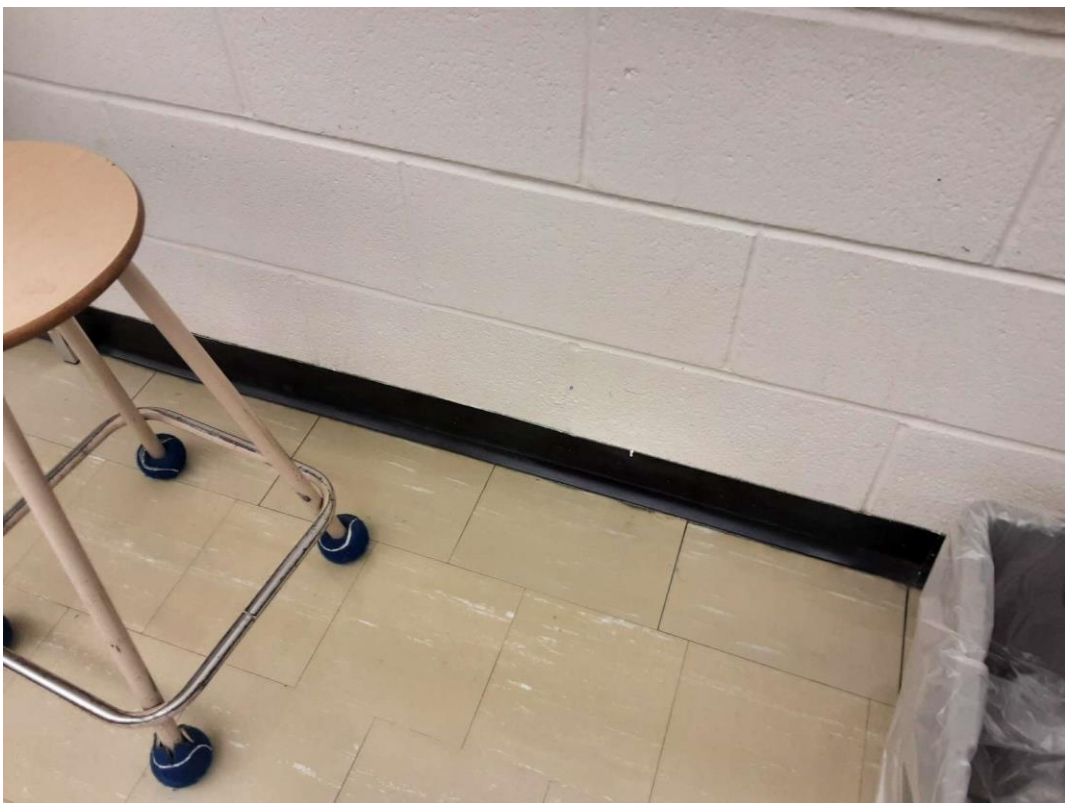
S0158C (Confirmed Asbestos), Drywall and joint compound on wall of Location #: 261



S0159C (Confirmed Asbestos), White paint on block wall in Location #: 262



S0163C (None), 12in by 12in white mottled vinyl Floor Tile and Mastic in Location #: 259



S0164A (None), Mastic behind vinyl baseboard in Location #: 262



S0168C (Confirmed Asbestos), 9in by 9in light green Vinyl Floor Tile and Mastic in Location #: 262



S0170 (Confirmed Asbestos), mastic behind the baseboard in Location #: 260



S0171 (Confirmed Asbestos), Sink mastic on the underside of the sink in Location #: 260



V9500 (Presumed Asbestos), Mastic behind chalkboard and corkboard in Location #: 257



L0037(Lead, Low), White paint on drywall in Location #: 262



L0039 (Lead Containing), Blue paint on various metal pieces in Location #: 259



L0040 (Lead Containing), Light blue paint on metal pieces in Location #: 259



Mercury, V9000(Yes), Mercury containing light fixtures in Location #: 259



PCB, P0008(No), Grey caulking near windows in Location #: 262