



Heather Forgione
Axiom Partners, Inc.
545 Salem St.
Wakefield MA 01880

Project Reference: 01288.003
Laboratory Batch #: 1614725
Date Samples Received: 02/17/2016
Date Samples Analyzed: 02/18/2016
Date of Final Report: 02/18/2016

SAMPLE IDENTIFICATION:

Twelve (12) samples from Consentino Emergency project were submitted by Heather Forgione on 2016/02/17

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-600/M4-82-020, EPA-600/ R-93-116). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter ($<0.25\mu\text{m}$) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required. Optimum recommends using Transmission Electron Microscopy (TEM) for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

Use of the NVLAP and AIHA Logo in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit $<1\%$, Reporting Limits: CVES = 1% , 400 Point Count = $.25\%$, 1000 Point Count = 0.1% ; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

CLIENT: Axiom Partners, Inc.
ADDRESS: 545 Salem St.
CITY / STATE / ZIP: Wakefield MA 01880
CONTACT: Heather Forgione
DESCRIPTION: PLM Analysis
LOCATION: Consentino Emergency

ORDER #: 1614725
PROJECT #: 01288.003
DATE COLLECTED: 02/17/2016
COLLECTED BY: Heather Forgione
DATE RECEIVED: 02/17/2016
ANALYSIS DATE: 02/18/2016
REPORT DATE: 02/18/2016
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1614725-001 021716-45-01A	Main Office Hall @ Restroom Plaster - Skim Coat, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-002 021716-45-01B	Main Office @ Vault LAYER 1 Plaster - Skim Coat, White LAYER 2 Adhesive, Brown	LAYER 1 100% LAYER 2 100%	None Detected None Detected	Cellulose Fiber 1% Non-Fibrous Material 99% Cellulose Fiber 2% Non-Fibrous Material 98%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-003 021716-45-01C	Room 9 Plaster - Skim Coat, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-004 021716-45-02A	Main Office Hall @ Restroom Plaster - Basecoat, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-005 021716-45-02B	Main Office @ Vault Plaster - Basecoat, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-006 021716-45-02C	Room 9 Plaster - Basecoat, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-007 021716-45-03A	Main Office Hall @ Restroom Cove Base Adhesive, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1614725-008 021716-45-03B	Room 9 Cove Base Adhesive, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-009 021716-45-04A	Main Office Joint Compound, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-010 021716-45-04B	Room 9 Joint Compound, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-011 021716-45-05A	Room 8 Wallboard, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 10% Fibrous Glass 1% Non-Fibrous Material 89%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
1614725-012 021716-45-05B	Room 8 Wallboard, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 10% Fibrous Glass 1% Non-Fibrous Material 89%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%

**Analyst
Signatory:**

Kristina Scaviola

NVLAP[®]
Lab Code: 101433-0



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AXIOM PARTNERS
979 MAIN STREET
WAKEFIELD, MA 01880
PHONE: 781.213.9198
FAX: 781.213.6992

LABORATORY ORDER #: 1614725
 Sample(s) received in good condition? [Y] [N]
 Discernable field blank submitted? [Y] [N]

Asbestos Analysis - Chain of Custody Form

Sampled by: <u>HEATHER R FORGIONE</u>	Date Collected: <u>02.17.2016</u>
Project Name: <u>CONSENTINO EMERGENCY</u>	
Project ID/Number: <u>01288.003</u>	
Special Lab Instructions: Positive stop; email results to <u>hfor@axiomenv.com</u> and <u>hfor@axiomenv.com</u>	

TURNAROUND TIME - If turnaround time is not chosen standard turnaround time applies (6 + Days)

☒ 3 Hours ☐ 6 Hours ☐ 12 Hours ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ 4 Days ☐ 5 Days ☐ 6-10 Days

TYPE OF ASBESTOS ANALYSIS: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE LOCATION	COMMENTS
021716-45-01A	PLASTER - SKIM SKIM COAT	MAIN OFFICE HALL @ RESTROOM	
01B	" " "	MAIN OFFICE @ VAULT	
01C	" " "	ROOM 9	
021716-45-02A	PLASTER - BASE COAT	MAIN OFFICE HALL @ RESTROOM	
02B	" " "	MAIN OFFICE @ VAULT	
02C	" " "	ROOM 9	
021716-45-03A	LOVE BASE ADHESIVE	MAIN OFFICE HALL @ RESTROOM	
03B	" " "	ROOM 9	
021716-45-04A	JOINT COMPOUND	MAIN OFFICE	
04B	" " "	ROOM 9	
021716-45-05A	WALL BOARD	ROOM 8	
05B	" " "	ROOM 8	

Relinquished: Heather R. Forgione Date: 02.17.16 Time: 1705
 Received: Cashley Heinrich Date: 2/17/16 Time:
 Relinquished: Date: Time:
 Received: Date: Time: