



## Hazardous Materials Inspection

<b>Facility Owner</b> Hope College	<b>Facility I.D.</b> 15th Street Warehouse 195 East 15 <sup>th</sup> Street Holland, MI 49423
<b>Site Contact</b> Mr. Jerry Gunnink 178 East 11 <sup>th</sup> Street Holland, MI 49423 Telephone: 616-395-7999	<b>Asbestos Identified in Bldg.</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Number of Floors</b> 2 <b>Basement</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Approximate Sq. Ft.</b> 5,370
<b>Project No.</b> <b>Date of Inspection</b> <b>Name of Inspector</b> <b>Inspector Accreditation No.</b>	G080483A01 September 16, 2008 Mr. Christopher D. Carew A35073
<b>Reference Documents</b>	Table 1 – Description of Homogeneous Materials Table 2 – Bulk Sample Location Log Table 3 – Summary of Asbestos-Containing Homogeneous Materials Table 4 – Lead-Based Paint Results Appendix 1 – Analytical Results

R:\080483\HAZMATINSPFIELDMERGEFORM.DOC

# Tables

**Table 1 - Description of Homogeneous Materials**  
Hazardous Materials Inspection Report  
Inspection Date: September 16, 2008  
Hope College, 15th Street North Warehouse

HA Number	Material Description	Material Type	Asbestos Containing?
1	Plaster	SM	N
2	12" x 12" ceiling tile	MM	N
3	12" x 12" ceiling tile	MM	N
4	Window caulk	MM	Y
5	Blown-in insulation	MM	N

Notes:

- MM Miscellaneous Material
- TSI Thermal System Insulation
- SM Surfacing Material
- HA Homogeneous Area

**Table 2 - Bulk Sample Location Log**

Hazardous Materials Inspection Report

Inspection Date: September 16, 2008

Hope College, 15th Street North Warehouse

Sample Number	Sample Location	Asbestos %
15N-1-1	East bathroom, north wall	None Detected
15N-1-2	Hallway, east wall, SE room	None Detected
15N-1-3	West bathroom, south wall, east of shower	None Detected
15N-1-4	SW room, east wall, NE corner	None Detected
15N-1-5	SW room, east wall, south of door	None Detected
15N-2-1	SE room, center	None Detected
15N-3-1	Center room, NW area, by light	None Detected
15N-4-1	Main warehouse, east window, south end	2% Chrysotile
15N-5-1	Center room, attic access hatch	None Detected

**Table 3 - Summary of Asbestos-Containing Homogeneous Materials**  
Hazardous Materials Inspection Report  
Inspection Date: September 16, 2008  
Hope College, 15th Street North Warehouse

HA Number	Material Description	Quantity	Unit
4	Window caulk	615	l.f.

HA Homogeneous Area  
l.f. linear feet

**Table 4 - Summary of Paint Chip Sample Results**

Hazardous Materials Inspection Report

Inspection Date: September 16, 2008

Hope College, 15th Street North Warehouse

Sample ID	Sample Site	Description	Lead Concentration (% by wt)
15N-PB-1	Main warehouse, center	White, interior	<0.01
15N-PB-2	Main warehouse, north	Beige, interior	0.06
15N-PB-3	Window south of side door	Brown, exterior	0.46

# Appendix 1

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Dave Lutkenhoff**  
**Fishbeck, Thompson, Carr & Huber**  
**1515 Arboretum Drive SE**  
**Grand Rapids, MI 49546**

Customer ID: FTCH62  
Customer PO: G080483A01  
Received: 09/22/08 10:15 AM  
EMSL Order: 080802802

Fax: (616) 464-3992 Phone: (616) 575-3824  
Project: **G080483 Hope-A01 15N (15th Street Warehouse North)**

EMSL Proj:  
Analysis Date: 10/6/2008  
Report Date: 10/6/2008

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
15N-1-1 080802802-0001	Plaster	White/Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15N-1-2 080802802-0002	Plaster	White/Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15N-1-3 080802802-0003	Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15N-1-4 080802802-0004	Plaster	White/Brown Fibrous Heterogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
15N-1-5 080802802-0005	Plaster	White/Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15N-2-1 080802802-0006	Ceiling Tile	White/Gray Fibrous Heterogeneous	80% Glass	20% Non-fibrous (other)	None Detected
15N-3-1 080802802-0007	Ceiling Tile	White/Tan Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
15N-4-1 080802802-0008	Window Cualk	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Analyst(s)

Jane Zhang (9)

Ed Cahill  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Analysis performed by EMSL Ann Arbor (NVLAP #101048-4)



**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Dave Lutkenhoff**  
**Fishbeck, Thompson, Carr & Huber**  
**1515 Arboretum Drive SE**  
**Grand Rapids, MI 49546**

Customer ID: FTCH62  
Customer PO: G080483A01  
Received: 09/22/08 10:15 AM  
EMSL Order: 080802802

Fax: (616) 464-3992 Phone: (616) 575-3824  
Project: **G080483 Hope-A01 15N (15th Street Warehouse North)**

EMSL Proj:  
Analysis Date: 10/6/2008  
Report Date: 10/6/2008

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
15N-5-1 080802802-0009	Insulation	Brown/Grayish Fibrous Heterogeneous	96% Cellulose	4% Non-fibrous (other)	<b>None Detected</b>

Analyst(s)

Jane Zhang (9)

Ed Cahill  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Analysis performed by EMSL Ann Arbor (NVLAP #101048-4)



## EMSL Analytical

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

Attn: **Dave Lutkenhoff**  
**Fishbeck, Thompson, Carr & Huber**  
**1515 Arboretum Drive SE**  
**Grand Rapids, MI 49546**

Customer ID: FTCH62  
Customer PO: G080483A01  
Received: 09/22/08 10:15 AM  
EMSL Order: 160813906

Fax: (616) 464-3992 Phone: (616) 575-3824  
Project: **HOPE COLLEGE/G080483A01 15N (15TH ST N**  
**WAREHOUSE)**

EMSL Proj:  
Report Date: 9/26/2008

### Lead in Paint Chips by Flame AAS (SW 846 3050B and 7420\*)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0001	9/24/2008	0.01 % wt	<0.01 % wt	
<b>Client Sample</b> 15N-PB-1				<b>Collected:</b> 9/18/2008
0002	9/24/2008	0.01 % wt	0.06 % wt	
<b>Client Sample</b> 15N-PB-2				<b>Collected:</b> 9/18/2008
0003	9/24/2008	0.01 % wt	0.46 % wt	
<b>Client Sample</b> 15N-PB-3				<b>Collected:</b> 9/18/2008

Doug Wiegand, Laboratory Manager  
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

\* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

ACCREDITATIONS: AIHA ELLAP 157245

Date Printed: 9/26/2008 8:38:44 AM

PB w/RDL