

# **ASBESTOS SURVEY REPORT**

**173 NW Hillsboro Street  
338 North Marion Avenue  
129 Hillsboro Street  
Lake City, Florida**

**GLE Project No.: 21000-23740**

**Prepared for:**

**City of Lake City  
C/O Mr. Joe Helfenberger  
205 North Marion Avenue  
Lake City, Florida 32055**

**March 2021**

**Prepared by:**



**8651 Baypine Road, Suite 115  
Jacksonville, Florida 32256  
904-241296-1880 • Fax 904-296-1860**



March 26, 2021

City of Lake City  
C/O Mr. Joe Helfenberger  
City Manager  
205 North Marion Avenue  
Lake City, Florida 32055

**RE: Asbestos Survey Report**  
**173 NW Hillsboro Street**  
**338 North Marion Avenue**  
**129 Hillsboro Street**  
**Lake City, Florida**

GLE Project No.: 21000-23740

Dear Mr. Helfenberger:

GLE Associates, Inc. (GLE) performed a survey for asbestos-containing materials (ACM) on March 17, 2021, at the three structures mentioned above, located in Lake City, Florida. The survey was performed by Mr. Johnny Ciucevich and Mr. Arturo Confiado with GLE. This report outlines the sampling and testing procedures, and presents the results along with our conclusions and recommendations.

GLE appreciates the opportunity to serve as your consultant on this project. If you should have any questions, or if we can be of further service, please do not hesitate to call.

Sincerely,  
**GLE Associates, Inc.**

John E. Ciucevich III  
Senior Project Manager

Robert B. Greene, PE, PG, CIH, LEED AP  
President

JEC/MBC/RBG/lr

M:\Work\Asb\2021\21000\23740.City of Lake City.173 & 129 Hillsboro Street.Asbestos and Lead-Containing Paint Surveys\Report\ACM Report\SurveyReport.doc

GLE Associates, Inc.

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Architecture AR 0007729 • Engineer RY 5483 • Asbestos ZA 0000034 • Geology PG 1737

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## 1.0 INTRODUCTION

### 1.1 INTRODUCTION

The purpose of this survey was to identify accessible asbestos-containing materials (ACMs) and their general locations within three structures, located at 173 NW Hillsboro Street, 338 North Marion Avenue and 129 Hillsboro Street in Lake City, Florida. The roof systems were excluded from the survey. The survey was conducted pursuant to National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR 61) requirements. The survey was performed on March 17, 2021, by Mr. Johnny Ciucevich and Mr. Arturo Confiado, Environmental Protection Agency/Asbestos Hazard Emergency Response Act (EPA/AHERA) accredited inspectors. The scope of this survey did not include demolition of any building components, evaluation of architectural plans, or the quantification of materials for abatement purposes, or removal cost estimating.

### 1.2 FACILITY DESCRIPTION

Summaries of the facilities investigated are outlined in the tables below.

#### 173 NW Hillsboro Street

Facility Type:	Commercial
Construction Date:	1977
Number of Floors:	Two
<b>Exterior</b>	
Floor Support:	Concrete Slab on Grade
Wall Support:	Metal Framing
Exterior Finish:	Paint, Brick
Roof System Type:	Not in Scope
<b>Interior</b>	
Wall Substrate:	Drywall and Joint Compound
Wall Finishes:	Paint, Cove Base
Floor Finishes:	Vinyl Floor Tile, Ceramic Tile, Carpet, Sheet Vinyl Flooring
Ceiling System:	Suspended Ceiling System
Ceiling Finishes:	Paint, Suspended Ceiling Tiles, Texture

**338 North Marion Avenue**

Facility Type:	Commercial
Construction Date:	1912
Number of Floors:	Two
<b>Exterior</b>	
Floor Support:	Concrete Slab on Grade
Wall Support:	Concrete Block (CMU)
Exterior Finish:	Paint, Brick
Roof System Type:	Not in Scope
<b>Interior</b>	
Wall Substrate:	Drywall and Joint Compound, Plaster
Wall Finishes:	Paint, Texture, Cove Base
Floor Finishes:	Vinyl Floor Tile, Carpet
Ceiling System:	Drywall and Joint Compound
Ceiling Finishes:	Paint, Texture

**129 Hillsboro Street**

Facility Type:	Commercial
Construction Date:	Unknown
Number of Floors:	One
<b>Exterior</b>	
Floor Support:	Concrete Slab on Grade
Wall Support:	Wood Framing
Exterior Finish:	Siding
Roof System Type:	Not in Scope
<b>Interior</b>	
Wall Substrate:	Wood
Wall Finishes:	Paint
Floor Finishes:	Concrete
Ceiling System:	Wood
Ceiling Finishes:	Paint

## **2.0 RESULTS**

### **2.1 ASBESTOS SURVEY PROCEDURES**

The survey was performed by visually observing accessible areas within the scope of work. EPA/AHERA accredited inspectors performed the visual observations (refer to Appendix B for personnel qualifications).

After the overall visual survey was completed, representative sampling areas were determined. The surveyors delineated homogeneous areas of suspect materials and samples of each material were obtained, in general accordance with regulations as established by the Occupational Safety and Health Administration (OSHA) and NESHAP. The field surveyors determined sample locations based on previous experience. Both friable and non-friable materials were sampled. A friable material is one that can be crushed when dry by normal hand pressure. This survey did not include the demolition of building components to access suspect material.

After completion of the fieldwork, the samples were delivered to GLE's National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for analysis. The samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining, in general accordance with EPA-600/R-93/116. Utilizing this procedure, the various asbestos minerals (chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite) can be determined. The percentages of asbestos minerals in the samples were visually determined by the microscopist. Please note that the EPA designates all materials containing greater than one percent asbestos as an "asbestos-containing material" (ACM).

Regulated Asbestos-Containing Material (RACM) is defined as (a) Friable asbestos materials, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Category I and Category II non-friable ACM, as defined by the EPA:

- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, asphalt roofing products, and pliable sealants and mastics that are in good condition and not friable, containing more than one percent asbestos, as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one percent asbestos as determined using the methods specified in Appendix E, Subpart E, 40 CFR Part 763 Section 1, PLM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

## **2.2 IDENTIFIED SUSPECT ASBESTOS-CONTAINING MATERIALS**

A total of 74 samples of suspect building materials were collected from the facilities during the survey, representing 24 different identified homogeneous areas. The results of the laboratory analyses are included in Appendix A.

A summary of the homogenous sampling areas of suspect ACM determined to be present is outlined in the following table.

TABLE 2.2-1: SUMMARY OF HOMOGENEOUS SAMPLING AREAS 173 NW HILLSBORO STREET – LAKE CITY, FLORIDA							
HA #	HOMOGENEOUS MATERIAL DESCRIPTION	HOMOGENEOUS MATERIAL LOCATION	FRIABILITY (F/NF)	% ASBESTOS*	# OF SAMPLES COLLECTED	APPROXIMATE QUANTITY	ACM CATEGORY
CT-01	2' x 2' White Pinhole Ceiling Tile	Throughout	F	ND	3	NIS	NA
CT-02	2' x 2' White Rough Texture Ceiling Tile	Throughout	F	ND	3	NIS	NA
CT-03	2' x 2' White Wormhole Ceiling Tile	Throughout	F	ND	3	NIS	NA
VB-01	Brown Vinyl Cove Base & Beige Mastic	Throughout	NF	ND	3	NIS	NA
MAS-01	White Duct Mastic	Plenum	NF	10% C	3	3,760 SF	CAT. I
FT-01	12" x 12" Brown Floor Tile & Tan Mastic	Janitor's Room & Vault	NF	ND	3	NIS	NA
DW-01	Drywall / Joint Compound	Throughout	NF	ND	3	NIS	NA
VB-02	Dark Brown Vinyl Cove Base & Tan Mastic	Janitor's Room & Vault	NF	ND	3	NIS	NA
M-01	Gray Ceramic Grout	Throughout	NF	ND	3	NIS	NA
FT-02	12" x 12" Gray Floor Tile & Tan Mastic	Vault & 1 <sup>st</sup> Floor near Stairwell	NF	ND	3	NIS	NA
MSV-01	Brown Sheet Vinyl Flooring & Clear Mastic	2 <sup>nd</sup> Floor	NF	ND	3	NIS	NA
M-02	White Sink Undercoat	Break Room	NF	ND	3	NIS	NA
PCT-01	White Popcorn Ceiling Treatment	Vault	NF	ND	3	NIS	NA
MAS-02	Black Duct Mastic	2 <sup>nd</sup> Floor	NF	10% C	3	1 SF	CAT. I

<b>ASBESTOS CONTENT</b> Expressed as percent	* = The facility owner has the option of point-counting by Polarized Light Microscopy (PLM) those RACM whose asbestos content is less than 10% in order to more accurately determine the asbestos content therein.					
<b>FRIABILITY</b>	F = Friable Material	NF = Non-Friable Material				
<b>ACM CATEGORY</b>	RACM = Regulated ACM	CAT I = Category I non-friable ACM	CAT II = Category II non-friable ACM			
<b>ABBREVIATIONS:</b>	PC = Results based on Point-Count analysis		TEM NOB = Transmission Electron Microscopy of Non-Friable Organically Bound Material			
	NA = Not Applicable	ND = None Detected	NIS = Not in Scope		C = Chrysotile	A = Amosite
	HA = Homogeneous Area	SF = Square Feet	LF = Linear Feet		CF = Cubic Feet	



TABLE 2.2-2: SUMMARY OF HOMOGENEOUS SAMPLING AREAS 338 NORTH MARION AVENUE – LAKE CITY, FLORIDA							
HA #	HOMOGENEOUS MATERIAL DESCRIPTION	HOMOGENEOUS MATERIAL LOCATION	FRIABILITY (F /NF)	% ASBESTOS*	# OF SAMPLES COLLECTED	APPROXIMATE QUANTITY	ACM CATEGORY
M-01	White Sink Undercoat	2 <sup>nd</sup> Floor	NF	ND	3	NIS	NA
PL-01	Tan Plaster with White Skimcoat	Throughout	NF	ND	5	NIS	NA
DW-01	Drywall / Joint Compound	Throughout	NF	ND	3	NIS	NA
VB-01	Light Tan Cove Base & Beige Mastic	Throughout	NF	ND	3	NIS	NA
VB-02	Gray Cove Base & Beige Mastic	Throughout	NF	ND	3	NIS	NA
VB-03	Brown Cove Base & Beige Mastic	Bathroom	NF	ND	3	NIS	NA
FT-01	9" x 9" Brown Floor Tile & Black Mastic	2 <sup>nd</sup> Floor – Under Carpet	NF	Tile-7% C Mastic-< 1% C	3	310 SF	CAT. I
FT-02	Brown Laminate Floor Tile & Clear Mastic	Bathroom	NF	ND	3	NIS	NA
M-02	White Wall & Ceiling Texture	Storage	NF	ND	3	NIS	NA

TABLE 2.2-3: SUMMARY OF HOMOGENEOUS SAMPLING AREAS 129 HILLSBORO STREET – LAKE CITY, FLORIDA							
HA #	HOMOGENEOUS MATERIAL DESCRIPTION	HOMOGENEOUS MATERIAL LOCATION	FRIABILITY (F /NF)	% ASBESTOS*	# OF SAMPLES COLLECTED	APPROXIMATE QUANTITY	ACM CATEGORY
CT-01	2' x 4' White Wormhole Ceiling Tile	Storage	F	ND	3	NIS	NA

<b>ASBESTOS CONTENT</b> Expressed as percent	* = The facility owner has the option of point-counting by Polarized Light Microscopy (PLM) those RACM whose asbestos content is less than 10% in order to more accurately determine the asbestos content therein.					
	<b>FRIABILITY</b>	F = Friable Material	NF = Non-Friable Material			
<b>ACM CATEGORY</b>	RACM = Regulated ACM	CAT I = Category I non-friable ACM	CAT II = Category II non-friable ACM			
<b>ABBREVIATIONS:</b>	PC = Results based on Point-Count analysis		TEM NOB = Transmission Electron Microscopy of Non-Friable Organically Bound Material			
	NA = Not Applicable	ND = None Detected	NIS = Not in Scope		C = Chrysotile	
	HA = Homogeneous Area	SF = Square Feet	LF = Linear Feet		A = Amosite	
					CF = Cubic Feet	

## **3.0 CONCLUSIONS AND RECOMMENDATIONS**

### **3.1 GENERAL**

**Asbestos-containing materials (ACMs) were identified in the scope of this survey. General and specific conclusions and recommendations are provided below.**

The EPA, OSHA and the State of Florida have promulgated regulations dealing with asbestos. For commercial building owners, the EPA NESHAP (40 CFR 61) regulations require removal of RACM, prior to conducting activities which might disturb the material. They also deal with notification, handling and disposal of asbestos.

The EPA recommends that an Operations and Maintenance (O&M) Program be developed for any facilities with ACM, and this Program should address all ACM (known and/or assumed) present. The O&M Program establishes notification and training requirements along with special procedures for working around the ACM. The O&M Program would remain in effect until all asbestos is removed.

Category I and Category II non-friable materials, as defined by the EPA, may remain within a facility during demolition with no potential cessation of work, provided they remain non-friable and the appropriate engineering controls (i.e., wet methods) are utilized, with the resulting waste disposed of as asbestos-containing waste. However, there is no guarantee that these materials will remain non-friable. If the materials become friable, then they are classified as RACM. Additionally, local jurisdictions may have more stringent interpretations regarding classification of these materials.

RACM, as defined by the EPA, must be removed prior to renovation or demolition activities that may disturb the materials.

The OSHA regulations deal with employee exposure to airborne asbestos fibers. The regulations restrict employee exposure, and require special monitoring, training and handling procedures when dealing with asbestos. Additionally, OSHA has regulations that may supersede the EPA regulations. In order to protect the worker, OSHA has established a permissible exposure limit (PEL), which limits employee exposure to airborne fiber concentrations. OSHA requires objective evidence that the PEL will not be exceeded, as justification that personal air monitoring and engineering controls will not be required. OSHA has also established rules requiring the containerization and labeling of asbestos waste.

The State regulations require that anyone involved in asbestos consulting activities be a licensed asbestos consultant and that anyone involved in asbestos abatement, with the exception of roofing materials, be a licensed asbestos abatement contractor.

## **3.2 SPECIFIC**

### **173 NW Hillsboro Street**

MAS-01: White Duct Mastic

MAS-02: Black Duct Mastic

These materials are defined by the EPA as Category I non-friable materials. These materials do not appear to present a significant issue, as observed, at the time of the survey. We recommend that the identified ACM be maintained as part of an O&M Program and periodically monitored for any changes in condition. Additionally, we recommend that a licensed asbestos abatement contractor properly remove and dispose of the ACM prior to conducting renovation activities that might disturb the ACM.

### **338 North Marion Avenue**

FT-01: 9" x 9" Brown Floor Tile & Black Mastic

This material is defined by the EPA as a Category I non-friable material. This material does not appear to present a significant issue, as observed, at the time of the survey. We recommend that the identified ACM be maintained as part of an O&M Program and periodically monitored for any changes in condition. Additionally, we recommend that a licensed asbestos abatement contractor properly remove and dispose of the ACM prior to conducting renovation activities that might disturb the ACM.

### **338 North Marion Avenue**

< One Percent Asbestos Building Material

FT-01: Black Mastic associated with 9" x 9" Brown Floor Tile

This building material is classified by the EPA as a non-asbestos containing materials based on the analytical results. However, OSHA regulations still apply. Therefore, GLE recommends that the material be considered for removal by a licensed asbestos abatement contractor, prior to disturbance (i.e. removal, sanding, cutting, etc.), as part of a renovation or demolition project. However, if maintained wet, the material may remain in-place during renovation and/or demolition activities, provided sufficient documentation is obtained indicating personnel performing work are not exposed to asbestos fiber levels above OSHA's PEL of 0.1 fibers per cubic centimeter (f/cc). This documentation may be obtained by performing air monitoring as required by OSHA.

## **4.0 LIMITATIONS AND CONDITIONS**

As a result of previous renovations, there may be hidden materials, such as floor tile, sheet vinyl flooring, insulation, etc. These materials may be found in various areas hidden under existing flooring materials or in wall cavities. Any materials found during construction activities, either not addressed in this survey report, or similar to the ACM identified in this survey report should be assumed to be ACM until sampling and analysis documents otherwise.

Because of the hidden nature of many building components (i.e. within mechanical chases), it may be impossible to determine if all of the suspect building materials have been located and subsequently tested. Destructive testing in some instances is not a viable option. We cannot, therefore, guarantee that all potential ACM has been located. For the same reasons, estimates of quantities and/or conditions are subject to readily apparent situations, and our findings reflect this condition. We do warrant, however, that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental industry.

The information contained in this report was prepared based upon specific parameters and regulations in force at the time of this report. The information herein is only for the specific use of the client and GLE. GLE accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, unless prior written authorization has been obtained from GLE.

**APPENDIX A**  
**Analytical Results and Chains of Custody**

## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 129 Hillsboro Street

21000-23740

Sample	Sample Type	Fiber Type	
CT-01A	2' X 4' White Wormhole Ceiling Tile	100%	Mineral Wool
CT-01B	2' X 4' White Wormhole Ceiling Tile	100%	Mineral Wool
CT-01C-QC	2' X 4' White Wormhole Ceiling Tile	100%	Mineral Wool

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested.  
The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.  
(>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26033

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021

Page 1 of 1

City of Lake City

CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM



GLE Associates, Inc.  
8659 Baypine Road, Suite 306  
Jacksonville, FL 32256  
PHONE: (904) 296-1880 FAX: (904) 296-1860

CLIENT:   
PROJECT #: 21000-23740 LAB 20883  
PROJECT: 129 Hillsboro Street  
LABORATORY SENT TO: GLE  
DATE: 3-17-21

SAMPLE INFORMATION

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
CT01A-C	2' x 4' White Wormhole Ceiling Tile		

**IMPORTANT:** TOTAL NUMBER OF SAMPLES SUBMITTED

3

**IMPORTANT:** POSITIVE STOP ANALYSIS

yes

**IMPORTANT:** E-MAIL RESULTS TO

Teucevich & Jelliot

NOTE:

Turnaround time starts at receipt by lab and does not include weekend or holidays.

Select Turnaround Time

☐ 3 hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 3 Day ☒ 4 Day

REPORT RESULTS TO THE ADDRESS ABOVE

CHAIN OF CUSTODY: GLE ASSOCIATES, INC.		CHAIN OF CUSTODY: LABORATORY	
PACKAGED BY:	Johnny Ciucevich	SAMPLES RECEIVED BY:	3/18/21
DATE PACKAGED:	3-17-21	DATE:	3/18/21
METHOD OF TRANSMITTAL:	Fed Ex	TIME:	11:52
TRANSMITTED BY:		CONDITION OF PACKAGED SAMPLES:	
CHAIN OF CUSTODY: RETURNED TO GLE ASSOCIATES, INC.			
RECEIVED BY:		DATE:	
INVENTORIED BY:		DATE:	
REPACKAGED AND SEALED BY:		DATE:	
PAGE:	OF		

# SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 173 NW Hillsboro Street

21000-23740

Sample	Sample Type	Fiber Type	
CT-01A	2' X 2' White Pinhole Ceiling Tile	100%	Mineral Wool
CT-01B	2' X 2' White Pinhole Ceiling Tile	100%	Mineral Wool
CT-01C-QC	2' X 2' White Pinhole Ceiling Tile	100%	Mineral Wool
CT-02A	2' X 2' White Rough Texture Ceiling Tile	100%	Mineral Wool
CT-02B	2' X 2' White Rough Texture Ceiling Tile	100%	Mineral Wool
CT-02C	2' X 2' White Rough Texture Ceiling Tile	100%	Mineral Wool
CT-03A	2' X 2' White Wormhole Ceiling Tile	100%	Mineral Wool
CT-03B	2' X 2' White Wormhole Ceiling Tile	100%	Mineral Wool
CT-03C	2' X 2' White Wormhole Ceiling Tile	100%	Mineral Wool
VB-01A	Brown Vinyl Cove Base & Beige Mastic	100%	Polymer
VB-01B	Brown Vinyl Cove Base & Beige Mastic	100%	Polymer
VB-01C	Brown Vinyl Cove Base & Beige Mastic	100%	Polymer

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26035

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021



## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 173 NW Hillsboro Street

21000-23740

Sample	Sample Type		Fiber Type
MAS-01A-QC	White Duct Mastic	10%	Chrysotile Asbestos
		90%	Polymer, Quartz, Calcite, Clay, Mica
	Fibrous Duct Insulation	100%	Mineral Wool
MAS-01B	White Duct Mastic		Positive Stop/Sample not analyzed
	Fibrous Duct Insulation	100%	Mineral Wool
MAS-01C	White Duct Mastic		Positive Stop/Sample not analyzed
	Fibrous Duct Insulation	100%	Mineral Wool
FT-01A	12" X 12" Brown Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-01B	12" X 12" Brown Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-01C	12" X 12" Brown Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
DW-01A	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
DW-01B	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
DW-01C	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
VB-02A	Dark Brown Vinyl Cove Base & Tan Mastic	100%	Polymer

Analyst / Approved  
Signatory:



Darryl Neldner

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(>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

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Report Date: 3/18/2021

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## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 173 NW Hillsboro Street

21000-23740

Sample	Sample Type		Fiber Type
VB-02B-QC	Dark Brown Vinyl Cove Base & Tan Mastic	100%	Polymer
VB-02C	Dark Brown Vinyl Cove Base & Tan Mastic	100%	Polymer
M-01A	Gray Ceramic Grout	100%	Quartz, Calcite, Clay, Mica
M-01B	Gray Ceramic Grout	100%	Quartz, Calcite, Clay, Mica
M-01C	Gray Ceramic Grout	100%	Quartz, Calcite, Clay, Mica
FT-02A	12" X 12" Gray Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-02B	12" X 12" Gray Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-02C	12" X 12" Gray Floor Tile & Tan Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
MSV-01A	Brown Sheet Vinyl Flooring & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
MSV-01B	Brown Sheet Vinyl Flooring & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
MSV-01C-QC	Brown Sheet Vinyl Flooring & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02A	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02B	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica

Analyst / Approved  
Signatory:



Darryl Neldner

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Report Date: 3/18/2021

## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 173 NW Hillsboro Street

21000-23740

Sample	Sample Type	Fiber Type	
M-02C	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica
PCT-01A	White Popcorn Ceiling Treatment	100%	Polymer, Quartz, Calcite, Clay, Mica
PCT-01B	White Popcorn Ceiling Treatment	100%	Polymer, Quartz, Calcite, Clay, Mica
PCT-01C	White Popcorn Ceiling Treatment	100%	Polymer, Quartz, Calcite, Clay, Mica
MAS-02A	Black Duct Mastic	10%	Chrysotile Asbestos
		90%	Bitumen
	Fibrous		
MAS-02B	Fibrous Duct Insulation	100%	Mineral Wool
	Black Duct Mastic		Positive Stop/Sample not analyzed
	Fibrous Duct Insulation	100%	Mineral Wool
MAS-02C	Black Duct Mastic		Positive Stop/Sample not analyzed
	Fibrous Duct Insulation	100%	Mineral Wool

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26035

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021

## CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM



GLE Associates, Inc.  
8659 Baypine Road, Suite 306  
Jacksonville, FL 32256  
PHONE: (904) 296-1880 FAX: (904) 296-1860

CLIENT: ↓

PROJECT #: 21000-23740

LAB 2005

PROJECT: 173 NW Hillsboro Street

LABORATORY SENT TO:

GLE

DATE:

3-17-21

## SAMPLE INFORMATION

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
CTD1A-C	2' x 2' white Pinhole Ceiling tile	MOZA-C	White Sink Undercoat
CTD2A-C	2' x 2' white Rough Texture Ceiling tile	PCD1A-C	White Popcorn Ceiling Treatment
CTD3A-C	2' x 2' white Woonhole Ceiling tile	MABOZA-C	Black Duct mastic
VBO1A-C	Brown Vinyl Cove Base & Beige Mastic		
MASO1A-C	White Duct mastic		
FTD1A-C	12" x 12" Brown Floor tile & TAN mastic		
DW01A-C	Drywall / Joint Compound		
VBO2A-C	Dark Brown Vinyl Cove Base & TAN mastic		
MO1A-C	Gray Ceramic Grout		
FTD2A-C	12" x 12" Gray Floor tile & TAN mastic		
MSV01A-C	Brown Sheet Vinyl Flooring & Clear mastic		

**IMPORTANT: TOTAL NUMBER OF SAMPLES SUBMITTED**

42

**IMPORTANT: POSITIVE STOP ANALYSIS**

yes

**IMPORTANT: E-MAIL RESULTS TO**

Jencovich &amp; Jellioth

**NOTE:**

Turnaround time starts at receipt by lab and does not include weekend or holidays.

**Select Turnaround Time**
☐ 3 hour
 ☐ 6 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☐ 3 Day
 ☒ 4 Day
**REPORT RESULTS TO THE ADDRESS ABOVE**

<b>CHAIN OF CUSTODY: GLE ASSOCIATES, INC.</b>		<b>CHAIN OF CUSTODY: LABORATORY</b>	
PACKAGED BY: Johnny Jencovich		SAMPLES RECEIVED BY: [Signature]	
DATE PACKAGED: 3-17-21		DATE: 3-18-21	
METHOD OF TRANSMITTAL: Fed Ex		TIME: 2:10	
TRANSMITTED BY:		CONDITION OF PACKAGED SAMPLES:	
<b>CHAIN OF CUSTODY: RETURNED TO GLE ASSOCIATES, INC.</b>			
RECEIVED BY:		DATE:	
INVENTORIED BY:		DATE:	
REPACKAGED AND SEALED BY:		DATE:	
PAGE: OF			

## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 338 North Marion Avenue

21000-23740

Sample	Sample Type	Fiber Type	
M-01A	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica
M-01B	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica
M-01C-QC	White Sink Undercoat	100%	Polymer, Quartz, Calcite, Clay, Mica
PL-01A	Tan Plaster & White Skimcoat	100%	Quartz, Calcite, Clay, Mica
PL-01B	Tan Plaster & White Skimcoat	100%	Quartz, Calcite, Clay, Mica
PL-01C	Tan Plaster & White Skimcoat	100%	Quartz, Calcite, Clay, Mica
PL-01D	Tan Plaster & White Skimcoat	100%	Quartz, Calcite, Clay, Mica
PL-01E	Tan Plaster & White Skimcoat	100%	Quartz, Calcite, Clay, Mica
DW-01A	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
DW-01B	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
DW-01C	Drywall & Joint Compound	100%	Gypsum, Quartz, Calcite, Clay
VB-01A	Light Tan Cove Base & Beige Mastic	100%	Polymer

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26036

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021

Page 1 of 3

## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 338 North Marion Avenue

21000-23740

Sample	Sample Type	Fiber Type	
VB-01B-QC	Light Tan Cove Base & Beige Mastic	100%	Polymer
VB-01C	Light Tan Cove Base & Beige Mastic	100%	Polymer
VB-02A	Gray Cove Base & Beige Mastic	100%	Polymer
VB-02B	Gray Cove Base & Beige Mastic	100%	Polymer
VB-02C	Gray Cove Base & Beige Mastic	100%	Polymer
VB-03A	Brown Cove Base & Beige Mastic	100%	Polymer
VB-03B	Brown Cove Base & Beige Mastic	100%	Polymer
VB-03C	Brown Cove Base & Beige Mastic	100%	Polymer
FT-01A	9' X 9' Brown Floor Tile  Black Mastic	7%	Chrysotile Asbestos
		93%	Polymer, Quartz, Calcite, Clay, Mica
		<1%	Chrysotile Asbestos
		100%	Bitumen
FT-01B	9' X 9' Brown Floor Tile	Positive Stop/Sample not analyzed	
	Black Mastic	<1%	Chrysotile Asbestos
		100%	Bitumen

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26036

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021

## SUMMARY OF BULK SAMPLE ANALYSIS

City of Lake City; 338 North Marion Avenue

21000-23740

Sample	Sample Type	Fiber Type	
FT-01C-QC	9' X 9' Brown Floor Tile	Positive Stop/Sample not analyzed	
	Black Mastic	<1% 100%	Chrysotile Asbestos Bitumen
FT-02A	Brown Laminate Floor Tile & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-02B	Brown Laminate Floor Tile & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
FT-02C	Brown Laminate Floor Tile & Clear Mastic	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02A	White Wall & Ceiling Texture	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02B	White Wall & Ceiling Texture	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02C	White Wall & Ceiling Texture	100%	Polymer, Quartz, Calcite, Clay, Mica

Analyst / Approved  
Signatory:



Darryl Neldner

\* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

\*\* The percentage of each component is visually estimated. The result of this analysis relate only to the material tested.

The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

(>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

\*\*\* This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 26036

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 3/18/2021

Page 3 of 3

City of Lake City

CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM



GLE Associates, Inc.  
8659 Baypine Road, Suite 306  
Jacksonville, FL 32256  
PHONE: (904) 296-1880 FAX: (904) 296-1860

CLIENT:

PROJECT #: 21000-23740

LAB

PROJECT: 338 North Marion Avenue

LABORATORY SENT TO:

GLE

DATE:

3-17-21

SAMPLE INFORMATION

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
M01A-C	White Sink Undercoat		
P201A-E	Tan Plaster with White Skimcoat		
DW01A-C	Drywall Joint Compound		
VB01A-C	Light Tan Cove Base & Beige Mastic		
VB02A-C	Gray Cove Base & Beige Mastic		
VB03A-C	Brown Cove & Beige Mastic		
FT01A-C	9' x 9' Brown Floor tile & Black Mastic		
FT02A-C	Brown Laminate Floor tile & Clear Mastic		
M02A-C	White Wall & Ceiling Texture		

IMPORTANT: TOTAL NUMBER OF SAMPLES SUBMITTED

29

IMPORTANT: POSITIVE STOP ANALYSIS

Yes

IMPORTANT: E-MAIL RESULTS TO

Scircevic & Elliott

NOTE:

Turnaround time starts at receipt by lab and does not include weekend or holidays.

Select Turnaround Time

☐

3 hour

☐

6 Hour

☐

24 Hour

☐

48 Hour

☐

3 Day

☒

4 Day

REPORT RESULTS TO THE ADDRESS ABOVE

CHAIN OF CUSTODY: GLE ASSOCIATES, INC.

PACKAGED BY: Johnny Scircevic

DATE PACKAGED: 3-17-21

METHOD OF TRANSMITTAL: Fed Ex

TRANSMITTED BY:

CHAIN OF CUSTODY: LABORATORY

SAMPLES RECEIVED BY:

DATE:

TIME:

CONDITION OF PACKAGED SAMPLES:

CHAIN OF CUSTODY: RETURNED TO GLE ASSOCIATES, INC.

RECEIVED BY:

INVENTORIED BY:

REPACKAGED AND SEALED BY:

DATE:

DATE:

DATE:

PAGE: OF



**APPENDIX B**  
**Personnel and Laboratory Certifications**

---



Ron DeSantis, Governor

Halsey Beshears, Secretary



# STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

## ASBESTOS LICENSING UNIT

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES



### GLE ASSOCIATES INC

ROBERT BLAIR GREENE  
5405 CYPRESS CENTER DRIVE  
SUITE 110  
TAMPA FL 33609

**LICENSE NUMBER: ZA00000034**

**EXPIRATION DATE: NOVEMBER 30, 2021**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



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Ron DeSantis, Governor

Halsey Beshears, Secretary



# STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

## ASBESTOS LICENSING UNIT

THE ASBESTOS CONSULTANT - ENGINEER HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**GREENE, ROBERT BLAIR**

GLE ASSOCIATES INC  
5405 CYPRESS CENTER DR  
SUITE 110  
TAMPA FL 33609

**LICENSE NUMBER: EA00000009**

**EXPIRATION DATE: NOVEMBER 30, 2022**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)

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# Asbestos Consulting & Training Systems

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

***This is to Certify that***  
***John Ciucevich***



X X X - X X - 9 8 4 8

8659 Baypine Road Suite 306, Jacksonville, FL 32256

***has successfully completed an English***

***Asbestos Building Inspection Refresher***

**10-Jul-20 TO 10-Jul-20**

and has completed the requisite training for TSCA

Meets state requirements of FL49-0001020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451

Trainer(s): Alberto Ania

Training Address: 2233 Park Ave, Suite 202, Orange Park, FL 32073

Successful course completion based on exam score on: 10-Jul-20

***This Certificate Expires:***



**10-Jul-21**

**Course Number: JE2028**

Processed By:



To Authenticate Certificate  
[www.seagulltraining.com](http://www.seagulltraining.com)  
1-800-966-9933



James F. Stump, Course Sponsor



Certificate Number: 1 8 3 7 0 2





**GLE Associates, Inc. FL 49-0001218**

5405 Cypress Center Drive ~ Suite 110 ~ Tampa, Florida 33609 ~ (813) 241-8350

certifies that

**Arturo R. Confiado**

has completed the requisite training for  
**ASBESTOS INSPECTOR REFRESHER**  
accreditation under TSCA Title II Course No.: FL 49-0002824

conducted on

**May 20, 2020**

at

**TAMPA, FLORIDA**

Certificate Number

**6450**

Passed Exam with score of 70% or better.

EPA Accreditation Expires: **May 20, 2021**

*Robert B. Greene*  
Instructor

*Arturo R. Confiado*  
GLE Associates, Inc.

Robert B. Greene

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2005**

---

NVLAP LAB CODE: 102003-0

**GLE Associates, Inc.**

Tampa, FL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
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 January 2009).*

2020-04-01 through 2021-03-31

*Effective Dates*

A handwritten signature in blue ink, which appears to read "Peter S. Lander".  

---

*For the National Voluntary Laboratory Accreditation Program*

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

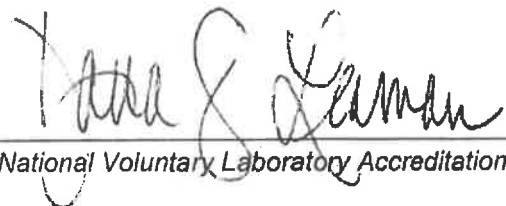
**GLE Associates, Inc.**  
5405 Cypress Center Drive  
Suite 110  
Tampa, FL 33609  
Mr. Darryl S. Neldner  
Phone: 813-241-8350 x247 Fax: 813-241-8737  
Email: [dneldner@gleassociates.com](mailto:dneldner@gleassociates.com)  
<http://www.gleassociates.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 102003-0**

**Bulk Asbestos Analysis**

<u><b>Code</b></u>	<u><b>Description</b></u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program