



TO: Citadel CPM
Regan Yap AIA, Project Manager

LIMITED ASBESTOS SURVEY REPORT

Roofs @ CSULA

Fine Arts, King Hall, Music, Student Health Center, TVFM

5151 State University Drive

Los Angeles, CA 90032

Date Prepared: May 24, 2023

I. Executive Summary and Introduction

At the request of Regan Yap of Citadel CPM, Terra Environmental performed an asbestos survey on May 15th and 16th, 2023 on California State University Los Angeles roofs (Fine Arts, King Hall, Music, Student Health Center and TVFM) located at 5151 State University Drive Los Angeles, CA 90032.

The purpose of the survey was to identify asbestos containing material (ACM) that will be impacted by the renovation project activities on the Roofs @ CSULA.

II. Scope of Work

The asbestos assessment was limited only to the building materials that are anticipated to be impacted by the scope of work and areas involved in the renovation project. The building materials tested for asbestos included: Felt, Mastic, Waterproof, Gravel, and Parapet on the roof.

III. Sampling Methodology, and Analytical Procedures

The asbestos building survey and sample collection was performed by Mr. Israel Monsalvo, DOSH Certified Asbestos Consultant #04-3551 Exp. 05/20/24.

INSPECTION PROCEDURE (763.85)

Areas Inspected: In each area of the building, the inspector performed a preliminary walk-through to designate the functional spaces. Inspector also noted which areas had homogeneous materials.

The inspector then visually inspected each accessible room or space in the building. The inspector touched suspect materials to determine if they were friable. For each suspect material, the inspector noted its condition and the potential for disturbance.

Terra Environmental collected a total of eighty six (86) bulk samples of suspect ACM that were analyzed two hundred and ninety three (293) times on a layer by layer basis. The samples were transferred following proper chain of custody protocol to LA Testing located at 4335 E. Airport Drive Unit 110 Ontario, CA 91761 Phone (909) 295-6825 for analysis. LA Testing is an accredited laboratory for bulk asbestos analysis under the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (Certification Number 600239-0).

The samples were analyzed by Polarized Light Microscopy (PLM) with optical dispersion staining in accordance with the United States Environmental Protection Agency (EPA) Method (EPA 600/M4-82-020 per 40 CFR 763, subpart F, Appendix A).

The PLM Method is the most commonly used method to analyze building materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The detection limit of the PLM method for asbestos identification is one

percent (1%) asbestos. Because the State of California recognizes asbestos-containing construction material (ACCM) as any material, which contains greater than or equal to one tenth of one percent (0.1) asbestos, materials containing "trace" amounts of asbestos are reported as ACCM in the State of California.

IV. Discussion of Survey Findings and Recommendations

ASBESTOS

Asbestos-containing material (ACM) means any material containing more than 1% asbestos. Asbestos Standard for Construction 29 CFR 1926.1101.

Asbestos-Containing Construction Material (ACCM) is defined by California DOSH Title 8, Section 1529 (341.6 Registration Requirements) to mean any manufactured construction material which contains more than 1/10th of 1 percent asbestos by weight.

The visual inspection, intrusive sampling and bulk sample analysis results revealed the following Asbestos-Containing Materials:

Fine Arts #1

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	01 02 03	None Detected	N	Intact	1000 SF
Black Mastic	Penetration	04 05 06	Chrysotile 5-10%	N	Intact	30 SF
Waterproof Roofing Composite	Penetration	07 08 09	None Detected	N	Intact	20 SF

Fine Arts #2

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	10 11 12	None Detected	N	Intact	1000 SF
Black Mastic	Penetration	13 14 15	Chrysotile 10%	N	Intact	20 SF
Waterproof Roofing Composite	Penetration	16 17 18	None Detected	N	Intact	25 SF

King Hall

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Gravel Roof Composite	Roof	19 20 21	None Detected	N	Intact	3000 SF
Parapet Roof	Roof	22 23 24	Chrysotile 20-30%	N	Intact	80 SF
Black Mastic	Penetration	25 26 27	None Detected	N	Intact	20 SF

Music #1

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Gravel Roof Composite	Roof	66 67 68	None Detected	N	Intact	800 SF
Black Mastic	Penetration	69 70 71	Chrysotile 4-45%	N	Intact	25 SF

Music #2

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	60 61 62	None Detected	N	Intact	2500 SF
Black Mastic	Penetration	63 64 65	None Detected	N	Intact	100 SF

Music #3

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	43	None Detected	N	Intact	5000 SF
		44				
		45				
		46				
		47				
Black Mastic	Penetration	48	None Detected	N	Intact	100 SF
		49				
		50				
Waterproof Roofing Composite	Penetration	51	None Detected	N	Intact	150 SF
		52				
		53				

Music Mini

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Gravel Roof Composite	Roof	54	Chrysotile 4%	N	Intact	50 SF
		55				
		56				
Black Mastic	Penetration	57	Chrysotile 4-5%	N	Intact	10 SF
		58				
		59				

Student Health Center #1

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Gravel Roof Composite	Roof	72	None Detected	N	Intact	3500 SF
		73				
		74				
Black Mastic	Penetration	75	Chrysotile 8%	N	Intact	30 SF
		76				
		77				
Penetration	Waterproof Roofing Composite	78	None Detected	N	Intact	50 SF
		79				
		80				

Student Health Center #2

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Gravel Roof Composite	Roof	81 82 83	Chrysotile 4%	N	Intact	250 SF
Black Mastic	Penetration	84 85 86	Chrysotile 5%	N	Intact	25 SF

TVFM #1

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	28 29 30	None Detected	N	Intact	2500 SF
Black Mastic	Penetration	31 32 33	Chrysotile 4-8%	N	Intact	25 SF
Waterproof Roofing Composite	Penetration	34 35 36	Chrysotile 5-8%	N	Intact	20 SF

TVFM #2

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Felt on Roof Composite	Roof	37 38 39	Chrysotile 10%	N	Intact	200 SF
Black Mastic	Penetration	40 41 42	Chrysotile 6-8%	N	Intact	10 SF

* Quantities are not intended to be used for removal bidding purposes

Recommendations for handling ACCM:

*Removal and disposal of **please see tables**; must be performed by a California Licensed Asbestos Abatement Contractor, in accordance with all applicable regulations, including but not limited to, Title 8 CAC 1529 (Cal/OSHA Asbestos), including mandatory and non-mandatory*

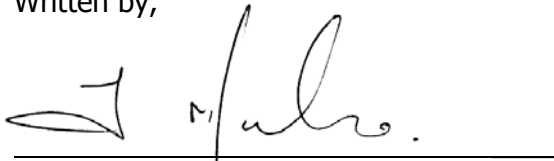
appendices as applicable, and Local Air Quality Management District regulations (SCAQMD 1403).

Should materials different to those identified in this report or, other forms of suspect hazardous materials be discovered during the renovation process, the contractor should be instructed to cease all work activities which may initiate an exposure episode and notify the appropriate management personnel.

V. General Recommendations and Notes

Terra has endeavored to observe the exiting conditions within the subject property using generally accepted procedures. Regardless of the thoroughness of a survey, there is always a possibility some areas containing asbestos were overlooked or were inaccessible, or are different from those at specific sample locations. Therefore, conditions at every location may not be as anticipated by our field representative. In addition, demolition may uncover altered or differing conditions.

Written by,



Israel Monsalvo,
DOSH CAC #04-3551
CDPH Lead I/A #LRC-00001220

VI. Confidentiality and Limitations

This report has been prepared for the sole use of Citadel CPM. Material quantities are, in some cases, listed within this document. Those quantities are not intended to be used for removal bidding purposes. This document also is not intended as a contract manual; work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

Attachments:

Chain of Custody
Lab report
Certifications

ASBESTOS SAMPLE RESULTS
AND COC



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761
 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com / InlandEmpireLab@latesting.com>

LA Testing Order: 712300699
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/19/2023 - 05/22/2023

Collected Date:

Project: 73991 / ROOF FA #1 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-Coating 712300699-0001	ROOF S/E - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01-Shingle 712300699-0001A	ROOF S/E - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
01-Felt 1 712300699-0001B	ROOF S/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
01-Felt 2 712300699-0001C	ROOF S/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
01-Insulation 712300699-0001D	ROOF S/E - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
01-Foam 712300699-0001E	ROOF S/E - FELT ON ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-Coating 712300699-0002	ROOF N/E - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-Shingle 712300699-0002A	ROOF N/E - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
02-Felt 1 712300699-0002B	ROOF N/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
02-Felt 2 712300699-0002C	ROOF N/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
02-Felt 3 712300699-0002D	ROOF N/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
02-Tar 712300699-0002E	ROOF N/E - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-Paper 712300699-0002F	ROOF N/E - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	90% Cellulose 5% Glass	5% Non-fibrous (Other)	None Detected
02-Insulation 712300699-0002G	ROOF N/E - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
02-Foam 712300699-0002H	ROOF N/E - FELT ON ROOF COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03-Coating 712300699-0003	ROOF W/E - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 14:19:46



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300699

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
03-Shingle 712300699-0003A	ROOF W/E - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
03-Felt 1 712300699-0003B	ROOF W/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
03-Felt 2 712300699-0003C	ROOF W/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
03-Felt 3 712300699-0003D	ROOF W/E - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
03-Insulation 712300699-0003E	ROOF W/E - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
03-Foam 712300699-0003F	ROOF W/E - FELT ON ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03-Rubber Membrane 712300699-0003G	ROOF W/E - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-Mastic 712300699-0004	PENETRATION S/W - BLACK MASTIC	Gray/Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
04-Sealant 712300699-0004A	PENETRATION S/W - BLACK MASTIC	Brown/Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-Silver Paint 712300699-0005	PENETRATION W/N - BLACK MASTIC	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-Mastic 712300699-0005A	PENETRATION W/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
06-Silver Paint 712300699-0006	PENETRATION N/E - BLACK MASTIC	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-Mastic 712300699-0006A	PENETRATION N/E - BLACK MASTIC	Gray/Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
07-Coating 712300699-0007	PENETRATION S/W - WATERPROOF ROOFING COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-Roofing 712300699-0007A	PENETRATION S/W - WATERPROOF ROOFING COMPOSITE	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
08-Coating 712300699-0008	PENETRATION W/N - WATERPROOF ROOFING COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-Roofing 712300699-0008A	PENETRATION W/N - WATERPROOF ROOFING COMPOSITE	Black Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 14:19:46



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<http://www.LATesting.com> / InlandEmpireLab@latestesting.com

LA Testing Order: 712300699
Customer ID: 32TESV78
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
09-Coating 712300699-0009	PENETRATION N/E - WATERPROOF ROOFING COMPOSITE	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-Roofing 712300699-0009A	PENETRATION N/E - WATERPROOF ROOFING COMPOSITE	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Analyst(s)

Humberto Espinoza Bajo (12)
Olivia Santiago (23)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 14:19:46



#7 12300699 Roof FA #1

Job Name & Location 73991				Billing Info:		
5151 state university				Terra Environmental Services Inc.		
Los angeles CA				12631 Imperial Hwy Suite A225		
				Santa Fe Springs CA 90760		
				Email: israel@terraeng.com		
Sample Analysis:		PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy		TAT		4 @ hrs
ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
01	Felt on roof composite	01	Roof S/E	intact	no	1000 g
02	↓	01	↓ N/E	↓	↓	↓
03	↓	01	↓ W/E	↓	↓	↓
04	Black mastic	02	penetration S/W	intact	no	30 g
05	↓	02	↓ W/N	↓	↓	↓
06	↓	02	↓ N/E	↓	↓	↓
07	waterproof roofing composite	03	penetration S/W	intact	no	20 g
08	↓	03	↓ W/N	↓	↓	↓
09	↓	03	↓ N/E	↓	↓	↓
Notes						
Relinquished By:				Date & Time		
vlises mansayo				5/17/23		
Received By:				Date & Time		
Munique Steib Cof (WT)				5/19/23 8:30AM		



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300690

Customer ID: 32TESV78

Customer PO:

Project ID:

Attention: Lab results
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/19/2023

Collected Date:

Project: 73991 / ROOF FA #2 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
10-Coating <small>712300690-0001</small>	ROOF W/N - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-Shingle <small>712300690-0001A</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
10-Felt 1 <small>712300690-0001B</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Silver Fibrous Homogeneous	5% Cellulose 10% Synthetic 10% Glass	75% Non-fibrous (Other)	None Detected
10-Felt 2 <small>712300690-0001C</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Brown/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
10-Tar <small>712300690-0001D</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-Insulation <small>712300690-0001E</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
10-Foam <small>712300690-0001F</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-Coating <small>712300690-0002</small>	ROOF N/W - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-Shingle <small>712300690-0002A</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
11-Felt 1 <small>712300690-0002B</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	5% Cellulose 10% Synthetic 10% Glass	75% Non-fibrous (Other)	None Detected
11-Felt 2 <small>712300690-0002C</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
11-Tar <small>712300690-0002D</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-Insulation <small>712300690-0002E</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
11-Foam <small>712300690-0002F</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-Coating <small>712300690-0003</small>	ROOF N/S - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-Shingle <small>712300690-0003A</small>	ROOF N/S - FELT ON ROOF COMPOSITE	Gray/Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 16:06:21



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

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LA Testing Order: 712300690

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-Felt 1 712300690-0003B	ROOF N/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous	5% Cellulose 10% Synthetic 10% Glass	75% Non-fibrous (Other)	None Detected
12-Felt 2 712300690-0003C	ROOF N/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	5% Cellulose 10% Synthetic 10% Glass	75% Non-fibrous (Other)	None Detected
12-Tar 712300690-0003D	ROOF N/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-Insulation 712300690-0003E	ROOF N/S - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
12-Foam 712300690-0003F	ROOF N/S - FELT ON ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-Silver Paint/Mastic 712300690-0004 <i>Unable to separate.</i>	PENETRATION N/W - BLACK MASTIC	Black/Silver Non-Fibrous Heterogeneous		90% Non-fibrous (Other)	10% Chrysotile
14-Silver Paint/Coating 712300690-0005	PENETRATION W/N - BLACK MASTIC	Silver/Beige Non-Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
14-Mastic 712300690-0005A	PENETRATION W/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
15-SilverPaint/Coating 712300690-0006	PENETRATION N/S - BLACK MASTIC	Silver/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Mastic 712300690-0006A	PENETRATION N/S - BLACK MASTIC	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
16-Silver Paint 712300690-0007	PENETRATION E/S - WATERPROOF ROOFING COMPOSITE	Silver Non-Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
16-Sealant 712300690-0007A	PENETRATION E/S - WATERPROOF ROOFING COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-Silver Paint 712300690-0008	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-Sealant 712300690-0008A	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-Silver Paint 712300690-0009	PENETRATION E/N - WATERPROOF ROOFING COMPOSITE	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-Sealant 712300690-0009A	PENETRATION E/N - WATERPROOF ROOFING COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 16:06:21



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4335 E. Airport Dr. Unit 110 Ontario, CA 91761
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LA Testing Order: 712300690
Customer ID: 32TESV78
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
18-Mastic	PENETRATION E/N - WATERPROOF	Black		100% Non-fibrous (Other)	None Detected
712300690-0009B	ROOFING COMPOSITE	Non-Fibrous Homogeneous			

Analyst(s) _____

Guillermo Hernandez (12)
Olivia Santiago (21)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/19/2023 16:06:21



#712300690

Roof FA #2

Job Name & Location 73991				Billing Info:		
5151 state university				Terra Environmental Services Inc.		
LOS ANGELES CA				12631 Imperial Hwy Suite A225		
				Santa Fe Springs CA 90760		
				Email: israel@terraeng.com		
Sample Analysis:		PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy			TAT 48 hrs	
ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
01	felt on roof composite	04	Roof	W/N intact	no	1000g
02	↓	04		N/W	↓	↓
03	↓	04		N/S	↓	↓
13	Black mastic	05	penetration	N/W	intact	no 20g
14	↓	05	↓	W/N	↓	↓
15	↓	05	↓	N/S	↓	↓
16	waterproof roofing composite	06	penetration	E/S	intact	no 25g
17	↓	06	↓	N/W	↓	↓
18	↓	06	↓	E/N	↓	↓
Notes						
Relinquished By:				Date & Time		
ulises mansalva				5/17/23		
Received By:				Date & Time		
Mimique Steib (Q) (WI)				5/19/23 8:30AM		



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761
 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com / InlandEmpireLab@latesting.com>

LA Testing Order: 712300691
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670
Project: 73991 / ROOF KH / 5151 STATE UNIVERSITY, LOS ANGELES, CA

Phone: (562) 868-3777
Fax:
Received Date: 05/19/2023 8:30 AM
Analysis Date: 05/19/2023
Collected Date:

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-Roofing <small>712300691-0001</small>	ROOF S/E - GRAVEL ROOF COMPOSITE	Brown/Gray/Black Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (Other)	None Detected
19-Insulation <small>712300691-0001A</small>	ROOF S/E - GRAVEL ROOF COMPOSITE	Brown Non-Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
20-Roofing <small>712300691-0002</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Gray/Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
20-Felt 1 <small>712300691-0002A</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
20-Felt 2 <small>712300691-0002B</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
20-Tar <small>712300691-0002C</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-Insulation <small>712300691-0002D</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
21-Roofing <small>712300691-0003</small>	ROOF W/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Cellulose 10% Synthetic	80% Non-fibrous (Other)	None Detected
21-Insulation <small>712300691-0003A</small>	ROOF W/N - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
22-Shingle <small>712300691-0004</small>	ROOF S/E - PARAPET ROOF	Gray/Black Non-Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
22-Felt 1 <small>712300691-0004A</small>	ROOF S/E - PARAPET ROOF	Black Non-Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
22-Mastic <small>712300691-0004B</small>	ROOF S/E - PARAPET ROOF	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Felt 2 <small>712300691-0004C</small>	ROOF S/E - PARAPET ROOF	Black Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
22-Insulation <small>712300691-0004D</small>	ROOF S/E - PARAPET ROOF	Brown Non-Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
23-Shingle <small>712300691-0005</small>	ROOF W/N - PARAPET ROOF	Gray/Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
23-Felt 1 <small>712300691-0005A</small>	ROOF W/N - PARAPET ROOF	Black Non-Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 12:50:30



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LA Testing Order: 712300691

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23-Mastic 712300691-0005B	ROOF W/N - PARAPET ROOF	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Felt 2 712300691-0005C	ROOF W/N - PARAPET ROOF	Black Non-Fibrous Homogeneous	5% Cellulose 10% Glass	85% Non-fibrous (Other)	None Detected
23-Felt 3 712300691-0005D	ROOF W/N - PARAPET ROOF	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
23-Felt 4 712300691-0005E	ROOF W/N - PARAPET ROOF	Black Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
23-Insulation 712300691-0005F	ROOF W/N - PARAPET ROOF	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
24-Shingle 712300691-0006	ROOF E/N - PARAPET ROOF	Gray/Black Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
24-Felt 1 712300691-0006A	ROOF E/N - PARAPET ROOF	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
24-Felt 2 712300691-0006B	ROOF E/N - PARAPET ROOF	Brown/Black Fibrous Homogeneous		70% Non-fibrous (Other)	30% Chrysotile
24-Tar Mastic 712300691-0006C	ROOF E/N - PARAPET ROOF	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-Insulation 712300691-0006D	ROOF E/N - PARAPET ROOF	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
25-Coating 712300691-0007	PENETRATION S/E - BLACK MASTIC	Gray/White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-Mastic 712300691-0007A	PENETRATION S/E - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Coating 712300691-0008	PENETRATION W/N - BLACK MASTIC	Gray/White/Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Mastic 712300691-0008A	PENETRATION W/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-Coating 712300691-0009	PENETRATION E/N - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-Mastic 712300691-0009A	PENETRATION E/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300691

Customer ID: 32TESV78

Customer PO:

Project ID:

Analyst(s)

Guillermo Hernandez (23)

Olivia Santiago (9)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/19/2023 12:50:30



#712300691

Roof

KH

Job Name & Location 73991 5151 State university Los Angeles CA	Billing Info: Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com
--	---

Sample Analysis:	PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	48 hrs
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ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
19	Gravel roof composite	07	Roof S/E	Intact	no	3000oz
20	↓	07	↓ E/N	↓	↓	↓
21	↓	07	↓ W/N	↓	↓	↓
22	Parapet roof	08	↓ S/E	Intact	no	80oz
23	↓	08	↓ W/N	↓	↓	↓
24	↓	08	↓ E/N	↓	↓	↓
25	Black mastic	09	penetration S/E	Intact	no	20oz
26	↓	09	↓ W/N	↓	↓	↓
27	↓	09	↓ E/N	↓	↓	↓

Notes

Relinquished By: Wises Monsayo	Date & Time 5/17/23
Received By: Monique Steibc Q (WI)	Date & Time 5/19/23 8:30AM



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<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300696
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/22/2023

Collected Date:

Project: 73991 / ROOF MUSIC #1 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
66-Roofing 712300696-0001	ROOF S/W - GRAVEL ROOF COMPOSITE	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
66-Felt 712300696-0001A	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
66-Insulation 712300696-0001B	ROOF S/W - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
67-Roofing 712300696-0002	ROOF N/E - GRAVEL ROOF COMPOSITE	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
67-Felt 712300696-0002A	ROOF N/E - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
68-Roofing 712300696-0003	ROOF W/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (Other)	None Detected
68-Felt 712300696-0003A	ROOF W/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
68-Insulation 712300696-0003B	ROOF W/N - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
69-Silver Paint 712300696-0004	PENETRATION N/E - BLACK MASTIC	Silver Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
69-Mastic 712300696-0004A	PENETRATION N/E - BLACK MASTIC	Black Non-Fibrous Homogeneous	5% Glass	88% Non-fibrous (Other)	7% Chrysotile
69-Felt 712300696-0004B	PENETRATION N/E - BLACK MASTIC	Black Fibrous Homogeneous		55% Non-fibrous (Other)	45% Chrysotile
70-Silver Paint 712300696-0005	PENETRATION E/S - BLACK MASTIC	Silver Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
70-Mastic 712300696-0005A	PENETRATION E/S - BLACK MASTIC	Black Non-Fibrous Homogeneous	5% Glass	88% Non-fibrous (Other)	7% Chrysotile
70-Felt 712300696-0005B	PENETRATION E/S - BLACK MASTIC	Black Fibrous Homogeneous		55% Non-fibrous (Other)	45% Chrysotile
71-Silver Paint 712300696-0006	PENETRATION S/W - BLACK MASTIC	Silver Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
71-Mastic 712300696-0006A	PENETRATION S/W - BLACK MASTIC	Black Fibrous Homogeneous	10% Glass	82% Non-fibrous (Other)	8% Chrysotile

Initial report from: 05/22/2023 17:01:07



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LA Testing Order: 712300696

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
71-Felt	PENETRATION S/W - BLACK MASTIC	Black Fibrous		65% Non-fibrous (Other)	35% Chrysotile
712300696-0006B		Homogeneous			

Analyst(s)

Humberto Espinoza Bajo (11)

Olivia Santiago (6)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 17:01:07



#712300696

Roof music #1

Job Name & Location 73991 Billing Info:

5151 state university LOS ANGELES CA
Terra Environmental Services Inc.
12631 Imperial Hwy Suite A225
Santa Fe Springs CA 90760
Email: israel@terraeng.com

Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy TAT 48 hrs

Table with columns: ID #, Material Description, HM, Location of Sample, Condition, Friable, Quantity. Rows include: 66 Gravel roof composite, 67, 68, 69 Black mastic, 70, 71.

Notes

Relinquished By: ulises monsalvo Date & Time: 5/17/23

Received By: Monique Stib (of LWI) Date & Time: 5/19/23 8:30 AM



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Tel/Fax: (909) 295-6825 / (909) 295-6826

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LA Testing Order: 712300698

Customer ID: 32TESV78

Customer PO:

Project ID:

Attention: Lab results
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/22/2023

Collected Date:

Project: 73991 / ROOF MUSIC #2 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
60-Shingle <small>712300698-0001</small>	ROOF E/S - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
60-Felt 1 <small>712300698-0001A</small>	ROOF E/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
60-Felt 2 <small>712300698-0001B</small>	ROOF E/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
60-Tar <small>712300698-0001C</small>	ROOF E/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
60-Insulation <small>712300698-0001D</small>	ROOF E/S - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	65% Cellulose	20% Perlite 15% Non-fibrous (Other)	None Detected
60-Foam <small>712300698-0001E</small>	ROOF E/S - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61-Shingle <small>712300698-0002</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
61-Felt 1 <small>712300698-0002A</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
61-Felt 2 <small>712300698-0002B</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
61-Tar <small>712300698-0002C</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61-Insulation <small>712300698-0002D</small>	ROOF N/W - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	65% Cellulose	20% Perlite 15% Non-fibrous (Other)	None Detected
62-Shingle <small>712300698-0003</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
62-Felt 1 <small>712300698-0003A</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
62-Felt 2 <small>712300698-0003B</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
62-Tar <small>712300698-0003C</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62-Insulation <small>712300698-0003D</small>	ROOF W/N - FELT ON ROOF COMPOSITE	Brown/Gray Fibrous Homogeneous	75% Cellulose	20% Perlite 5% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 17:57:28



LA Testing

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LA Testing Order: 712300698
Customer ID: 32TESV78
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
62-Foam <i>712300698-0003E</i>	ROOF W/N - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
63 <i>712300698-0004</i>	PENETRATION S/E - BLACK MASTIC	Black Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
64 <i>712300698-0005</i>	PENETRATION W/N - BLACK MASTIC	Black Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
65 <i>712300698-0006</i>	PENETRATION S/W - BLACK MASTIC	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected

Analyst(s)
Humberto Espinoza Bajo (7)
Olivia Santiago (13)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 17:57:28



TERRA
Environmental Services

#712300698

Roof music #2

Job Name & Location	73991 5151 State University Los Angeles CA	Billing Info:	Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com
--------------------------------	--	----------------------	---

Sample Analysis:	PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	48 hrs
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ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
60	felt on roof composite	17	ROOF E/S SE	intact	no	2500 g
61	↓	17	↓ N/W	↓	↓	↓
62	↓	17	↓ W/N	↓	↓	↓
63	Black mastic	18	penetration S/E	↓	↓	100 g
64	↓	18	↓ W/N	↓	↓	↓
65	↓	18	↓ S/W	↓	↓	↓

Notes

Relinquished By:	vlises monsalvo	Date & Time	5/17/23
Received By:	Monique Steib (w)	Date & Time	5/19/23 8:30AM



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300688

Customer ID: 32TESV78

Customer PO:

Project ID:

Attention: Lab results
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/19/2023 - 05/22/2023

Collected Date:

Project: 73991 / ROOF #3 MUSIC / 5151 STATE UNIVERSITY, LOS ANGELES, CA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
43-Shingle 712300688-0001	ROOF E/S - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
43-Felt 1 712300688-0001A	ROOF E/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
43-Felt 2 712300688-0001B	ROOF E/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
43-Felt 3 712300688-0001C	ROOF E/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
43-Mastic 712300688-0001D	ROOF E/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43-Insulation 712300688-0001E	ROOF E/S - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
43-Foam 712300688-0001F	ROOF E/S - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
44-Shingle 712300688-0002	ROOF S/W - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
44-Felt 1 712300688-0002A	ROOF S/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
44-Felt 2 712300688-0002B	ROOF S/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
44-Felt 3 712300688-0002C	ROOF S/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
44-Felt 4 712300688-0002D	ROOF S/W - FELT ON ROOF COMPOSITE	Various Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
44-Mastic 712300688-0002E	ROOF S/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
44-Foam 712300688-0002F	ROOF S/W - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45-Shingle 712300688-0003	ROOF W/N - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
45-Felt 1 712300688-0003A	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 16:44:40



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LA Testing Order: 712300688

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
45-Felt 2 712300688-0003B	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
45-Felt 3 712300688-0003C	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
45-Mastic 712300688-0003D	ROOF W/N - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45-Insulation 712300688-0003E	ROOF W/N - FELT ON ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
45-Foam 712300688-0003F	ROOF W/N - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46-Shingle 712300688-0004	ROOF W/S - FELT ON ROOF COMPOSITE	Gray/White/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
46-Felt 1 712300688-0004A	ROOF W/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
46-Felt 2 712300688-0004B	ROOF W/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
46-Felt 3 712300688-0004C	ROOF W/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
46-Mastic 712300688-0004D	ROOF W/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46-Insulation 712300688-0004E	ROOF W/S - FELT ON ROOF COMPOSITE	Brown/Gray Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
46-Foam 712300688-0004F	ROOF W/S - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Shingle 712300688-0005	ROOF N/W - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
47-Felt 1 712300688-0005A	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
47-Felt 2 712300688-0005B	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
47-Felt 3 712300688-0005C	ROOF N/W - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
47-Mastic 712300688-0005D	ROOF N/W - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Insulation 712300688-0005E	ROOF N/W - FELT ON ROOF COMPOSITE	Brown/Gray Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
47-Foam 712300688-0005F	ROOF N/W - FELT ON ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 16:44:40



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4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300688

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
48 712300688-0006	PENETRATION W/N - BLACK MASTIC	Gray/Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
49 712300688-0007	PENETRATION N/E - BLACK MASTIC	Gray/Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
50-Shingle 712300688-0008	PENETRATION S/E - BLACK MASTIC	Gray/White/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
50-Mastic 712300688-0008A	PENETRATION S/E - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51 712300688-0009	PENETRATION E/S - WATERPROOF ROOFING COMPOSITE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52 712300688-0010	PENETRATION W/S - WATERPROOF ROOFING COMPOSITE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53 712300688-0011	PENETRATION N/E - WATERPROOF ROOFING COMPOSITE	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Guillermo Hernandez (25)

Humberto Espinoza Bajo (17)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 16:44:40



#712300688

Roof #3 music

Job Name & Location 73991	Billing Info:
5151 state university	Terra Environmental Services Inc.
Los Angeles CA	12631 Imperial Hwy Suite A225
	Santa Fe Springs CA 90760
	Email: israel@terraeng.com

Sample Analysis:	PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	48 hrs
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ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
43	felt on roof composite	12	ROOF E/S	intact	NO	5000 lb
44		12	S/W			
45		12	W/N			
46		12	W/S			
47		12	N/W			
48	Black mastic	13	penetration W/N			100 lb
49		13	N/E			
50		13	S/E			
51	waterproof roofing composite	14	penetration E/S			150 lb
52		14	W/S			
53		14	N/E			

Notes

Relinquished By:	Date & Time
ulises mansaiva	5/17/23
Received By:	Date & Time
Monique Steib (QJ) (WT)	5/19/23 8:30AM



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761
 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300697
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670
Project: 73991 / ROOF MUSIC - MINI ROOF / 5151 STATE UNIVERSITY, LOS ANGELES, CA

Phone: (562) 868-3777
Fax:
Received Date: 05/19/2023 8:30 AM
Analysis Date: 05/22/2023
Collected Date:

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
54-Roofing <small>712300697-0001</small>	ROOF W/N - GRAVEL ROOF COMPOSITE	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
54-Felt <small>712300697-0001A</small>	ROOF W/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
55-Roofing <small>712300697-0002</small>	ROOF N/W - GRAVEL ROOF COMPOSITE	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
55-Felt <small>712300697-0002A</small>	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
56-Roofing <small>712300697-0003</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Fibrous Heterogeneous	10% Cellulose 3% Synthetic	83% Non-fibrous (Other)	4% Chrysotile
56-Felt <small>712300697-0003A</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	35% Cellulose 5% Synthetic	60% Non-fibrous (Other)	None Detected
57-Coating <small>712300697-0004</small>	PENETRATION W/S - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
57-Mastic <small>712300697-0004A</small>	PENETRATION W/S - BLACK MASTIC	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
58 <small>712300697-0005</small>	PENETRATION E/S - BLACK MASTIC	Black/Silver Fibrous Homogeneous	5% Glass	90% Non-fibrous (Other)	5% Chrysotile
59-Silver Paint <small>712300697-0006</small>	PENETRATION N/W - BLACK MASTIC	Silver Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
59-Mastic <small>712300697-0006A</small>	PENETRATION N/W - BLACK MASTIC	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 17:11:56



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4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latestesting.com

LA Testing Order: 712300697

Customer ID: 32TESV78

Customer PO:

Project ID:

Analyst(s)

Humberto Espinoza Bajo (7)

Olivia Santiago (4)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 17:11:56



#712300697

MINI ROOF

Roof music

Job Name & Location 73991				Billing Info:			
5151 state university				Terra Environmental Services Inc.			
LOS ANGELES CA				12631 Imperial Hwy Suite A225			
				Santa Fe Springs CA 90760			
				Email: israel@terraeng.com			
Sample Analysis:		PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy			TAT		48 hrs
ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity	
54	Gravel roof composite	15	ROOF	W/N Intact	no	50 lb	
55	↓	15	↓	N/W	↓	↓	
56	↓	15	↓	E/S	↓	↓	
57	Black mastic	16	penetration	W/S	↓	10 lb	
58	↓	16	↓	E/S	↓	↓	
59	↓	16	↓	N/W	↓	↓	
Notes							
Relinquished By:				Date & Time			
ulises monsaivo				5/17/23			
Received By:				Date & Time			
Munique Seib (WJ)				5/19/23 8:30AM			



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761
 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com / InlandEmpireLab@latesting.com>

LA Testing Order: 712300693
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/19/2023

Collected Date:

Project: 73991 / ROOF SHC #1 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
72-Felt 1 <small>712300693-0001</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
72-Felt 2 <small>712300693-0001A</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
72-Felt 3 <small>712300693-0001B</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
72-Felt 4 <small>712300693-0001C</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
72-Tar <small>712300693-0001D</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
72-Insulation <small>712300693-0001E</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Brown/White Fibrous Homogeneous	65% Cellulose	30% Perlite 5% Non-fibrous (Other)	None Detected
72-Foam <small>712300693-0001F</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
73-Felt 1 <small>712300693-0002</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
73-Felt 2 <small>712300693-0002A</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
73-Felt 3 <small>712300693-0002B</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
73-Felt 4 <small>712300693-0002C</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
73-Tar <small>712300693-0002D</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
73-Insulation <small>712300693-0002E</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Brown/White Fibrous Homogeneous	65% Cellulose	30% Perlite 5% Non-fibrous (Other)	None Detected
73-Foam <small>712300693-0002F</small>	ROOF S/W - GRAVEL ROOF COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
74-Felt 1 <small>712300693-0003</small>	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
74-Felt 2 <small>712300693-0003A</small>	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 18:13:08



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300693

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
74-Felt 3 712300693-0003B	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
74-Felt 4 712300693-0003C	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
74-Tar 712300693-0003D	ROOF N/W - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
74-Insulation 712300693-0003E	ROOF N/W - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
74-Foam 712300693-0003F	ROOF N/W - GRAVEL ROOF COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
75-Coating 712300693-0004	PENETRATION E/S - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
75-Mastic 712300693-0004A	PENETRATION E/S - BLACK MASTIC	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
76-Coating 712300693-0005	PENETRATION E/N - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
76-Mastic 712300693-0005A	PENETRATION E/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Coating 712300693-0006	PENETRATION W/N - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Mastic 712300693-0006A	PENETRATION W/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78-Coating 712300693-0007	PENETRATION E/N - WATERPROOF ROOFING COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78-Sealant 712300693-0007A	PENETRATION E/N - WATERPROOF ROOFING COMPOSITE	Brown Fibrous Homogeneous	5% Fibrous (Other)	95% Non-fibrous (Other)	None Detected
78-Glue 712300693-0007B	PENETRATION E/N - WATERPROOF ROOFING COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
79-Coating 712300693-0008	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
79-Sealant 1 712300693-0008A	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	Brown Non-Fibrous Homogeneous	5% Fibrous (Other)	95% Non-fibrous (Other)	None Detected
79-Sealant 2 712300693-0008B	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 18:13:08



LA Testing

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Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300693

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
79-Glue 712300693-0008C	PENETRATION N/W - WATERPROOF ROOFING COMPOSITE	Black/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
80-Coating 712300693-0009	PENETRATION W/S - WATERPROOF ROOFING COMPOSITE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
80-Sealant 1 712300693-0009A	PENETRATION W/S - WATERPROOF ROOFING COMPOSITE	Brown Non-Fibrous Homogeneous	5% Fibrous (Other)	95% Non-fibrous (Other)	None Detected
80-Sealant 2 712300693-0009B	PENETRATION W/S - WATERPROOF ROOFING COMPOSITE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
80-Glue 712300693-0009C	PENETRATION W/S - WATERPROOF ROOFING COMPOSITE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Guillermo Hernandez (13)

Olivia Santiago (25)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/19/2023 18:13:08



#712300693

Roof S.H.C #1

Job Name & Location 73991	Billing Info:
5151 state university	Terra Environmental Services Inc.
Los Angeles CA	12631 Imperial Hwy Suite A225
	Santa Fe Springs CA 90760
	Email: israel@terraeng.com

Sample Analysis:	PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	48 hrs
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ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
72	Gravel roof composite	21	Roof E/N	intact	no	3500
73	↓	21	↓ S/W	↓	↓	↓
74	↓	21	↓ N/W	↓	↓	↓
75	Black mastic	22	penetration E/S	intact	no	30
76	↓	22	↓ E/N	↓	↓	↓
77	↓	22	↓ W/N	↓	↓	↓
78	waterproof roofing composite	23	penetration E/N	intact	no	50
79	↓	23	↓ N/W	↓	↓	↓
80	↓	23	↓ W/S	↓	↓	↓

Notes

Relinquished By:	Date & Time
ulises monsalvo	5/17/23
Received By:	Date & Time
Monique Steib (JWI)	5/19/23 8:30AM



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761
 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com / InlandEmpireLab@latesting.com>

LA Testing Order: 712300689
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670
Project: 73991 / ROOF #2 SHC / 5151 STATE UNIVERSICITY, LOS ANGELES, CA

Phone: (562) 868-3777
Fax:
Received Date: 05/19/2023 8:30 AM
Analysis Date: 05/19/2023
Collected Date:

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
81-Felt 1 <small>712300689-0001</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
81-Felt 2 <small>712300689-0001A</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
81-Roofing <small>712300689-0001B</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
81-Insulation <small>712300689-0001C</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Brown Fibrous Homogeneous	65% Cellulose	30% Perlite 5% Non-fibrous (Other)	None Detected
81-Tar <small>712300689-0001D</small>	ROOF E/S - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
82-Felt <small>712300689-0002</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
82-Roofing <small>712300689-0002A</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
82-Tar <small>712300689-0002B</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
82-Insulation <small>712300689-0002C</small>	ROOF E/N - GRAVEL ROOF COMPOSITE	Brown/White Fibrous Homogeneous	65% Cellulose	30% Perlite 5% Non-fibrous (Other)	None Detected
83-Felt 1 <small>712300689-0003</small>	ROOF W/S - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
83-Felt 2 <small>712300689-0003A</small>	ROOF W/S - GRAVEL ROOF COMPOSITE	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
83-Roofing <small>712300689-0003B</small>	ROOF W/S - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
83-Insulation <small>712300689-0003C</small>	ROOF W/S - GRAVEL ROOF COMPOSITE	Brown Non-Fibrous Homogeneous	60% Cellulose	35% Perlite 5% Non-fibrous (Other)	None Detected
83-Tar <small>712300689-0003D</small>	ROOF W/S - GRAVEL ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
84-Coating <small>712300689-0004</small>	PENETRATION E - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
84-Mastic <small>712300689-0004A</small>	PENETRATION E - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/19/2023 20:16:47



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LA Testing Order: 712300689

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
84-Silver Paint <i>712300689-0004B</i>	PENETRATION E - BLACK MASTIC	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85-Coating <i>712300689-0005</i>	PENETRATION W/N - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85-Mastic <i>712300689-0005A</i>	PENETRATION W/N - BLACK MASTIC	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
86-Coating <i>712300689-0006</i>	PENETRATION N - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
86-Mastic <i>712300689-0006A</i>	PENETRATION N - BLACK MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Guillermo Hernandez (7)

Olivia Santiago (14)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/19/2023 20:16:47



#712300689

Roof #2 SHC

Job Name & Location 73991 **Billing Info:**

5151 state university
Los Angeles CA

Terra Environmental Services Inc.
12631 Imperial Hwy Suite A225
Santa Fe Springs CA 90760
Email: israel@terraeng.com

Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy **TAT** 48 hrs

ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
81	Gravel roof composite	24	ROOF E/S	intact	no	250A
82	↓	24	↓ E/N	↓	↓	↓
83	↓	24	↓ W/S	↓	↓	↓
84	Black mastic	25	penetration E	intact	no	25A
85	↓	25	↓ W/N	↓	↓	↓
86	↓	25	↓ N	↓	↓	↓

Notes

Relinquished By: ulises monsalvo **Date & Time:** 5/17/23

Received By: Monique Steib (LWI) **Date & Time:** 5/19/23 8:30 AM



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 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300694
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/19/2023

Collected Date:

Project: 73991 / ROOF TVF #1 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
28-Shingle <i>712300694-0001</i>	ROOF W/N - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
28-Felt <i>712300694-0001A</i>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
28-Tar <i>712300694-0001B</i>	ROOF W/N - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29-Shingle 1 <i>712300694-0002</i>	ROOF E/S - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
29-Shingle 2 <i>712300694-0002A</i>	ROOF E/S - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
29-Felt <i>712300694-0002B</i>	ROOF E/S - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
29-Tar <i>712300694-0002C</i>	ROOF E/S - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-Shingle 1 <i>712300694-0003</i>	ROOF E/N - FELT ON ROOF COMPOSITE	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
30-Shingle 2 <i>712300694-0003A</i>	ROOF E/N - FELT ON ROOF COMPOSITE	Gray/Black Non-Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
30-Felt <i>712300694-0003B</i>	ROOF E/N - FELT ON ROOF COMPOSITE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
30-Tar <i>712300694-0003C</i>	ROOF E/N - FELT ON ROOF COMPOSITE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31-Silver Paint <i>712300694-0004</i>	PENETRATION W/S - BLACK MASTIC	Silver Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
31-Mastic 1 <i>712300694-0004A</i>	PENETRATION W/S - BLACK MASTIC	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
31-Mastic 2 <i>712300694-0004B</i>	PENETRATION W/S - BLACK MASTIC	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
32-Silver Paint/Mastic <i>712300694-0005</i> <i>Unable to separate.</i>	PENETRATION N/W - BLACK MASTIC	Gray/Black/Silver Non-Fibrous Heterogeneous		94% Non-fibrous (Other)	6% Chrysotile
33-Silver Paint/Mastic <i>712300694-0006</i>	PENETRATION E/S - BLACK MASTIC	Black/Silver Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile

Initial report from: 05/19/2023 19:36:16



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LA Testing Order: 712300694
Customer ID: 32TESV78
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
<i>Unable to separate.</i>					
34 712300694-0007	PENETRATION S/W - WATERPROOF ROOFING COMPOSITE	Gray/Pink/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35-Sealant 712300694-0008	PENETRATION W/N - WATERPROOF ROOFING COMPOSITE	White/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35-Silver Paint 712300694-0008A	PENETRATION W/N - WATERPROOF ROOFING COMPOSITE	Silver Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
35-Mastic 712300694-0008B	PENETRATION W/N - WATERPROOF ROOFING COMPOSITE	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
36-Sealant 712300694-0009	PENETRATION N/E - WATERPROOF ROOFING COMPOSITE	White/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36-Mastic 712300694-0009A	PENETRATION N/E - WATERPROOF ROOFING COMPOSITE	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile

Analyst(s)

Guillermo Hernandez (7)
Olivia Santiago (15)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/19/2023 19:36:16



#712300694

Roof TVF #1

Job Name & Location 5151 state university LOS angeles CA	Billing Info: Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com
---	---

Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy TAT 48 hrs

ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
28	felt on roof composite	10	Roof W/N	intact	no	2500
29	↓	10	↓ E/S	↓	↓	↓
30	↓	10	↓ E/N	↓	↓	↓
31	Black mastic	11	penetration W/S	intact	no	25
32	↓	11	↓ N/W	↓	↓	↓
33	↓	11	↓ E/S	↓	↓	↓
34	waterproof roofing composite	12	penetration S/W	intact	no	20
35	↓	12	↓ W/N	↓	↓	↓
36	↓	12	↓ N/E	↓	↓	↓
37						

Notes

Relinquished By: ulises moncalvo	Date & Time 5/17/23
Received By: Monique Steib (WI)	Date & Time 5/19/23 8:30 AM



LA Testing

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 Tel/Fax: (909) 295-6825 / (909) 295-6826
<http://www.LATesting.com / InlandEmpireLab@latesting.com>

LA Testing Order: 712300695
Customer ID: 32TESV78
Customer PO:
Project ID:

Attention: Lab results
 Terra Environmental Services
 12631 Imperial Hwy
 Suite A225
 Santa Fe Springs, CA 90670

Phone: (562) 868-3777

Fax:

Received Date: 05/19/2023 8:30 AM

Analysis Date: 05/22/2023

Collected Date:

Project: 73991 / ROOF TVF #2 / 5151 STATE UNIVERSITY, LOS ANGELES, CA

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
37-Shingle 712300695-0001	ROOF W/S - FELT ON ROOF COMPOSITIVE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
37-Felt 1 712300695-0001A	ROOF W/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
37-Felt 2 712300695-0001B	ROOF W/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
37-Felt 3 712300695-0001C	ROOF W/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
37-Tar 712300695-0001D	ROOF W/S - FELT ON ROOF COMPOSITIVE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37-Paper 712300695-0001E	ROOF W/S - FELT ON ROOF COMPOSITIVE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
38-Shingle 712300695-0002	ROOF N/E - FELT ON ROOF COMPOSITIVE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
38-Felt 1 712300695-0002A	ROOF N/E - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
38-Felt 2 712300695-0002B	ROOF N/E - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
38-Tar 712300695-0002C	ROOF N/E - FELT ON ROOF COMPOSITIVE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38-Paper 712300695-0002D	ROOF N/E - FELT ON ROOF COMPOSITIVE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
39-Shingle 712300695-0003	ROOF E/S - FELT ON ROOF COMPOSITIVE	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
39-Felt 1 712300695-0003A	ROOF E/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
39-Felt 2 712300695-0003B	ROOF E/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
39-Felt 3 712300695-0003C	ROOF E/S - FELT ON ROOF COMPOSITIVE	Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
39-Tar 712300695-0003D	ROOF E/S - FELT ON ROOF COMPOSITIVE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/22/2023 19:13:12



LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Tel/Fax: (909) 295-6825 / (909) 295-6826

<http://www.LATesting.com> / InlandEmpireLab@latesting.com

LA Testing Order: 712300695

Customer ID: 32TESV78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
39-Paper <i>712300695-0003E</i>	ROOF E/S - FELT ON ROOF COMPOSITIVE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
40-Silver Paint <i>712300695-0004</i>	PENETRATION N/E - BLACK MASTIC	Silver Non-Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
40-Mastic <i>712300695-0004A</i>	PENETRATION N/E - BLACK MASTIC	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
41-Silver Paint/Mastic <i>712300695-0005</i> <i>Unable to separate.</i>	PENETRATION W/N - BLACK MASTIC	Gray/Black/Silver Non-Fibrous Heterogeneous		94% Non-fibrous (Other)	6% Chrysotile
42-Coating <i>712300695-0006</i>	PENETRATION E/S - BLACK MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42-Silver Paint/Mastic <i>712300695-0006A</i> <i>Unable to separate.</i>	PENETRATION E/S - BLACK MASTIC	Black/Silver Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

Analyst(s)

Humberto Espinoza Bajo (8)

Olivia Santiago (14)

Olivia Santiago, Laboratory Manager
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Ontario, CA NVLAP Lab Code 600239-0; CA ELAP 3053

Initial report from: 05/22/2023 19:13:12



TERRA

Environmental

#712300695

Roof tvf #2

Job Name & Location 73991 5151 state university LOS ANGELES CA	Billing Info: Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com
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Sample Analysis:	PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	48 hrs
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ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
37	felt on roof	10	ROOF W/S	intact	no	200g
38	compositive	10	N/E	↓	↓	↓
39	↓	10	E/S	↓	↓	↓
40	Black mastic	11	penetration N/E	intact	no	10g
41	↓	11	W/N	↓	↓	↓
42	↓	11	E/S	↓	↓	↓

Notes

Relinquished By: ulises monsaivo	Date & Time 5/17/23
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Received By: Mimique Steib (WT)	Date & Time 5/19/23 8:30AM
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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600239-0

LA Testing-Ontario
Ontario, CA

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 17025:2017.
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).*

2022-01-01 through 2022-12-31

Effective Dates



A handwritten signature in black ink, appearing to read 'John S. Daman', is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

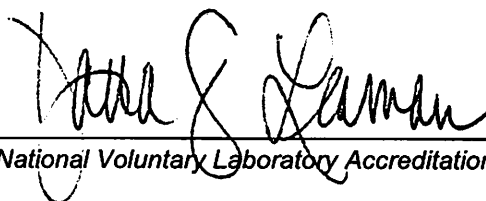
LA Testing-Ontario
4335 E. Airport Drive
Unit 110
Ontario, CA 91761
Ms.Carolynn Tom
Phone: 909-295-8625 Fax: 909-295-6826
Email: ctom@emsl.com
<http://www.emsl.com/>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 600239-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</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

CERTIFICATIONS

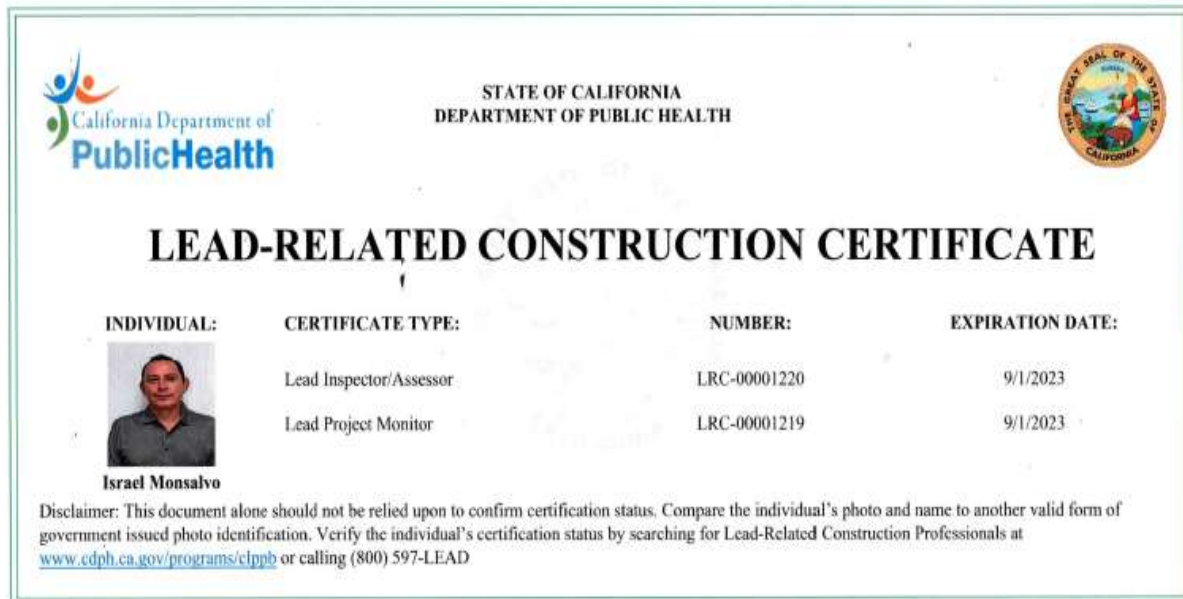


A handwritten signature in black ink, appearing to read "Ulises Monsalvo".

Ulises Monsalvo, CDPH-Lead Sampling Technician# LRC-00004429
Cal/OSHA-Certified Site Surveillance Technician #04-3604



TERRA
Environmental



Israel Monsalvo, CAC, CDPH-I/A & PM
 Cal/OSHA-Certified Asbestos Consultant #04-3551
 California Department of Public Health-Certified I/A, PM #LRC-00001220