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 44 45 46 47	None Detected	N	Intact	5000 SF
Black Mastic	Penetration	48 49 50	None Detected	N	Intact	100 SF
Waterproof Roofing Composite	Penetration	51 52 53	None Detected	N	Intact	150 SF

Music Mini

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

Student Health Center #1

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

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*

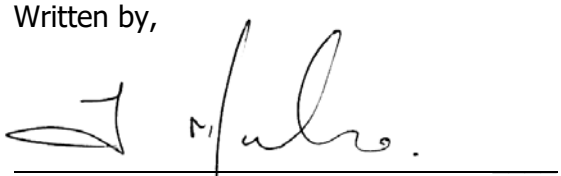
appendices as applicable, and Local Air Quality Management District regulations (SCAQMD 1403).

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	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023 - 05/22/2023
	Santa Fe Springs, CA 90670	**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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

LA Testing

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

OrderID: 712300699

TERRA Environmental

#712300699 Roof FA #1

Job Name & Location	Billing Info:
73991 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
01	Felt on roof composite	01	Roof S/E	intact	no	1000 ~~SF~~
02	↓	01	N/E	↓	↓	↓
03	↓	01	W/E	↓	↓	↓
04	Black mastic	02	penetration S/W	intact	no	30 ~~SF~~
05	↓	02	W/N	↓	↓	↓
06	↓	02	N/E	↓	↓	↓
07	waterproof roofing composite	03	penetration S/W	intact	no	20 ~~SF~~
08	↓	03	W/N	↓	↓	↓
09	↓	03	N/E	↓	↓	↓

Notes

Relinquished By:	Date & Time
Ulises Monsalvo	5/17/23
Received By:	**Date & Time**
Monique Steib CA (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:	712300690
Customer ID:	32TESV78
Customer PO:	
Project ID:	

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023
	Santa Fe Springs, CA 90670	**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

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

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

LA Testing Order: 712300690
Customer ID: 32TESV78
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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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* *Unable to separate.*	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

LA Testing

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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

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

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

OrderID: 712300690

TERRA Environmental

#712300690 Roof FA #2

Job Name & Location	Billing Info:
73991	Terra Environmental Services Inc.
5151 state university	12631 Imperial Hwy Suite A225
Los angeles CA	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
10	felt on roof composite	04	Roof W/N	intact	no	1900 ☑
11	↓	04	N/W	↓	↓	↓
12	↓	04	N/S	↓	↓	↓
13	Black mastic	05	penetration N/W	intact	no	20 ☑
14	↓	05	W/N	↓	↓	↓
15	↓	05	N/S	↓	↓	↓
16	waterproof roofing composite	06	penetration E/S	intact	no	25 ☑
17	↓	06	N/W	↓	↓	↓
18	↓	06	E/N	↓	↓	↓

Notes

Relinquished By:	Date & Time
ulises monsalva	5/17/23
Received By:	**Date & Time**
Minique Stelb (MI)	5/19/23 8:30 AM

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	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023
	Santa Fe Springs, CA 90670	**Collected Date:**	
Project:	73991 / ROOF KH / 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

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

LA Testing

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

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

LA Testing

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

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

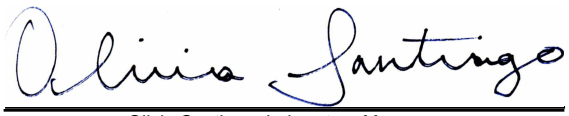
http://www.LATesting.com / InlandEmpireLab@latesting.com

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

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

OrderID: 712300691

TERRA Environmental

#712300691 Roof KH

Job Name & Location	Billing Info:
73991 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
19	Gravel roof composite	07	Roof S/E	intact	no	3000sf
20	↓	07	E/N	↓	↓	↓
21	↓	07	W/N	↓	↓	↓
22	parapet roof	08	S/E	intact	no	80lf
23	↓	08	↓	↓	↓	↓
24	↓	08	W/N E/N	↓	↓	↓
25	Black mastic	09	penetration S/E	intact	no	20sf
26	↓	09	W/N	↓	↓	↓
27	↓	09	E/N	↓	↓	↓
[redacted]						

Notes

Relinquished By:	Date & Time
Ulises Monsalvo	5/17/23
Received By:	**Date & Time**
Monique Steibe (WI)	5/19/23 8:30AM

LA Testing

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

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

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/22/2023
	Santa Fe Springs, CA 90670	**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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
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

LA Testing

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

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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

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

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

OrderID: 712300696

TERRA Environmental

#712300696 Rod music #1

Job Name & Location	Billing Info:
73991	
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
66	Gravel roof composite	19	Roof S/W	intact	no	800 SF
67	↓	19	N/E	↓	↓	↓
68	↓	19	W/N	↓	↓	↓
69	Black mastic	20	penetration N/E	intact	no	25 LF
70	↓	20	E/S	↓	↓	↓
71	↓	20	S/W	↓	↓	↓

Notes

Relinquished By:	Date & Time
Ulises Monsalvo	5/17/23
Received By:	**Date & Time**
Monique Stibl QA (WI)	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:	712300698
Customer ID:	32TESV78
Customer PO:	
Project ID:	

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/22/2023
	Santa Fe Springs, CA 90670	**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

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

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

OrderID: 712300698

TERRA Environmental

#712300698 Roof music #2

Job Name & Location	Billing Info:
5151 State University 73991	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
60	felt on roof composite	17	ROOF E/S	intact	no	2500 SF
61		17	N/W			
62		17	W/N			
63	Black mastic	18	penetration S/E			100 LF
64		18	W/N			
65		18	S/W			

Notes

Relinquished By:	Date & Time
ulises monsalvo	5/17/23
Received By:	**Date & Time**
Monique Stib QA (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:	712300688
Customer ID:	32TESV78
Customer PO:	
Project ID:	

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023 - 05/22/2023
	Santa Fe Springs, CA 90670	**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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

LA Testing

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

LA Testing

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

OrderID: 712300688

TERRA Environmental

#712300688 Roof #3 music

Job Name & Location	Billing Info:
7399 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
43	felt on roof composite	12	ROOF E/S	intact	no	5000 SF
44		12	S/W			
45		12	W/N			
46		12	W/S			
47		12	N/W			
48	Black mastic	13	penetration W/N			100 LF
49		13	N/E			
50		13	S/E			
51	waterproof roofing composite	14	penetration E/S			150 SF
52		14	W/S			
53		14	N/E			

Notes

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

LA Testing

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

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/22/2023
	Santa Fe Springs, CA 90670	**Collected Date:**	
Project:	73991 / ROOF MUSIC - MINI ROOF / 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

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

LA Testing

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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

OrderID: 712300697

TERRA Environmental

#712300697

MINI ROOF

ROOF MUSIC

Job Name & Location	Billing Info:
73991 5151 state univercity 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
54	Gravel roof composite	15	Roof W/N	intact	no	50 ☑
55	↓	15	N/W	↓	↓	
56	↓	15	E/S	↓	↓	
57	Black mastic	16	penetration W/S	↓	↓	10 ☑
58	↓	16	E/S	↓	↓	↓
59	↓	16	N/W	↓	↓	↓

Notes

Relinquished By:	Date & Time
Ulises Monsalvo	5/12/23
Received By:	**Date & Time**
Monique Stein (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:	712300693
Customer ID:	32TESV78
Customer PO:	
Project ID:	

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023
	Santa Fe Springs, CA 90670	**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

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

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

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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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

OrderID: 712300693

TERRA Environmental

#712300693 Roof S.H.C #1

Job Name & Location	Billing Info:
73991	Terra Environmental Services Inc.
5151 state univercity	12631 Imperial Hwy Suite A225
Los angeles CA	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
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 Stibolt (WJ)	5/19/23 8:30AM

LA Testing

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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	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023
	Santa Fe Springs, CA 90670	**Collected Date:**	
Project:	73991 / ROOF #2 SHC / 5151 STATE UNIVERSICITY, 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

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

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

OrderID: 712300689

TERRA Environmental

#712300689

Roof #2 SHC

Job Name & Location	Billing Info:
73991 5151 state univercity 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	250 SF
82	↓	24	E/N	↓	↓	↓
83	↓	24	W/S	↓	↓	↓
84	Black mastic	25	penetration E	intact	no	25 SF
85	↓	25	W/N	↓	↓	↓
86	↓	25	N	↓	↓	↓

Notes

Relinquished By:	Date & Time
Ulises Monsalvo	5/17/23
Received By:	**Date & Time**
Monique Stibolt (WI)	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:	712300694
Customer ID:	32TESV78
Customer PO:	
Project ID:	

Attention:	Lab results	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/19/2023
	Santa Fe Springs, CA 90670	**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

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
Unable to separate.					
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

OrderID: 712300694

TERRA Environmental

#7123006 94 Roof TVF #1

Job Name & Location	Billing Info:
5151 State University 73991	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
28	felt on roof composite	10	Roof W/N	intact	no	3500 ☒
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:	Date & Time
Ulises Monsalvo	5/17/23
Received By:	**Date & Time**
Monique Stein (WI)	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	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	05/19/2023 8:30 AM
	Suite A225	**Analysis Date:**	05/22/2023
	Santa Fe Springs, CA 90670	**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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% 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

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

OrderID: 712300695

TERRA Environmental #7123006 95

Roof tvf #2

Job Name & Location	Billing Info:
73991 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
37	felt on roof	10	ROOF W/S	intact	no	200 SF
38	compositive	10	N/E			
39		10	E/S			
40	Black mastic	11	penetration N/E	intact	no	10 SF
41		11	W/N			
42		11	E/S			

Notes

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

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 Communique dated January 2009).

2022-01-01 through 2022-12-31
Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

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

Code	*Description*
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

TERRA Environmental


State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Ulises Monsalvo
Name

Certification No. 04-3604

Expires on 05/20/24

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Ulises Monsalvo	Lead Sampling Technician	LRC-00004429	12/7/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

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

12631 Imperial Hwy Suite A225, Santa Fe Springs, CA 90670
TEL 562.868.3777 – Fax 562.868.3778 www.terraeng.com

TERRA Environmental

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Israel Monsalvo
Name



Certification No. **04-3551**

Expires on **05/20/24**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00001220	9/1/2023
	Lead Project Monitor	LRC-00001219	9/1/2023

Israel Monsalvo

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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

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