



TO: Arthur Lopez III  
Facilities Services  
CSULA  
5151 State University Drive  
Los Angeles, CA 90032

**LIMITED ASBESTOS SURVEY REPORT**  
**Calstate LA**  
**King Hall – Room 1009 & 1010**  
**5151 State University Drive**  
**Los Angeles, CA 90032**

Date Prepared: April 18, 2022

## **I. Executive Summary and Introduction**

At the request of Mr. Arthur Lopez from California State University Los Angeles, Facilities Services Department, Terra Environmental performed an asbestos survey on April 15, 2022 at Calstate LA - King Hall located at 5151 University Drive Los Angeles, CA 90032.

The purpose of the survey was to identify asbestos containing material (ACM) that will be impacted by renovation project activities in Rooms 1009 & 1010 at Calstate Los Angeles – King Hall building.

## **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: Mastic Pucks.

### **SITE DESCRIPTION**

The impacted rooms are approximately 1,301 square foot ea., constructed circa 1964. The interior finishes consist of plaster walls and ceilings. The floors are covered with various vinyl tiles. The structure is intact and no damage (fire or structural) was observed.

## **III. Sampling Methodology, and Analytical Procedures**

The asbestos building survey and sample collection was performed by Mr. Oscar Sanchez Jr. AHERA Certified Asbestos Building Inspector (DOSH CSST Trainee) under the onsite direction of Mr. Israel Monsalvo, DOSH Certified Asbestos Consultant #04-3551.

### **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 six (6) bulk samples of suspect ACM that were analyzed eight (8) times on a layer by layer basis. The samples were transferred following proper chain of custody protocol to LA Testing located at 520 Mission Street South Pasadena, CA 91030, Phone Number: (323) 254-9960, 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 200232-0).

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:

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
Mastic Pucks Soft	Room 1009 Behind chalkboard	A01 A02 A03	4% Chrysotile	N	Intact	100 SF
Mastic Pucks Dry	Room 1010 Behind chalkboard	A10 A11 A12	4% Chrysotile	N	Intact	100 SF

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

##### **Recommendations for handling ACCM:**

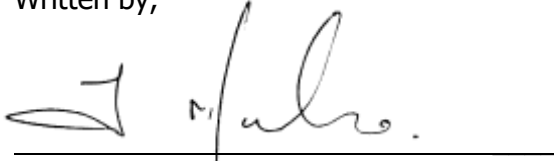
*Removal and disposal of **Mastic Pucks** must be performed by a California Licensed Asbestos Abatement Contractor, in accordance with all applicable regulations, including but not limited to, Title 8 CAC 1529 (Cal/OSHA Asbestos), including mandatory and non-mandatory appendices as applicable, and Local 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 California State University Los Angeles. 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:

- Site Photos
- Chain of Custody
- Lab report
- Certifications

**SITE PHOTOS**

CSULA - King Hall Room 1009 & 1010



ACM Chalkboard Adhesive



ACM Chalkboard Adhesive

ASBESTOS SAMPLE RESULTS  
AND COC



# LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / [pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 322208017

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:** 04/15/2022 3:55 PM

**Analysis Date:** 04/18/2022

**Collected Date:**

**Project:** 73337 - 5151 Cal State University Drive LA CA 90032 "King Hall"

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A01 322208017-0001	Room 1009 behind chalkboard plaster wall - Mastic pucks soft	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A02 322208017-0002	Room 1009 behind chalkboard plaster wall - Mastic pucks soft	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A03 322208017-0003	Room 1009 behind chalkboard plaster wall - Mastic pucks soft	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A10 322208017-0004	Room 1010 behind chalkboard concrete wall - Mastic pucks dry	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A11-Mastic 322208017-0005	Room 1010 behind chalkboard concrete wall - Mastic pucks dry	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A11-Brick-like 322208017-0005A	Room 1010 behind chalkboard concrete wall - Mastic pucks dry	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A12-Mastic 322208017-0006	Room 1010 behind chalkboard concrete wall - Mastic pucks dry	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
A12-Brick-Like 322208017-0006A	Room 1010 behind chalkboard concrete wall - Mastic pucks dry	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Guillermo Hernandez (3)

Olivia Santiago (5)

Jerry Drapala Ph.D, 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 South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 04/18/2022 10:54:59





## CERTIFICATIONS

United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 200232-0

**LA Testing**  
South Pasadena, 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 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2017-07-01 through 2018-06-30

*Effective Dates*

A handwritten signature in black ink, appearing to read "Peter S. Lumb".

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For the National Voluntary Laboratory Accreditation Program



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

**LA Testing**  
520 Mission Street  
South Pasadena, CA 91030  
Mr. Jerry Drapala Ph.D.  
Phone: (323) 254-9960 Fax: (323) 254-9982  
Email: [jdrapala@latesting.com](mailto:jdrapala@latesting.com)  
<http://www.latesting.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200232-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 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

**Airborne Asbestos Analysis**




<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program



**TERRA**  
Environmental



	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH			
<b>LEAD-RELATED CONSTRUCTION CERTIFICATE</b>				
<b>INDIVIDUAL:</b>	<b>CERTIFICATE TYPE:</b>	<b>NUMBER:</b>	<b>EXPIRATION DATE:</b>	
	Lead Inspector/Assessor Lead Project Monitor	LRC-00001220 LRC-00001219	9/1/2022 9/1/2022	
<b>Israel Monsalvo</b>				
<small>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 <a href="http://www.cdph.ca.gov/programs/clppb">www.cdph.ca.gov/programs/clppb</a> or calling (800) 597-LEAD.</small>				

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