

# **REFERENCE DOCUMENTS**

**KA'AHUMANU HALE ATRIUM TILE FLOORING REPLACEMENT**

**PROJECT IDENTIFIER: JUD-24-1-0200**

TAX MAP KEY: 2-1-030:003  
HONOLULU, O'AHU, HAWAII

Hazardous Materials Survey, June 2022

Kaahumanu Hale Lobby Floor Tiles – Asbestos Survey

Prepared by EnvironMETeo Services, Inc.

Documents are available for downloading at the HlePRO website at  
<https://hiepro@ehawaii.gov>.



**EnvironMETeo Services, Inc.**  
Environmental / Industrial Health & Safety

June 1, 2023

Alex Ribeiro  
RMA Architects, Inc.  
1150 S. King St., 8<sup>th</sup> Floor  
Honolulu, Hawaii 96814

Dear Mr. Ribeiro,

Subject: Kaahumanu Hale Lobby Floor Tiles, RMA #22-019 – Asbestos Survey

EnvironMETeo Services, Inc. (EMET) conducted a survey of the flooring in the lobby of Kaahumanu Hale, 777 Punchbowl Street, Honolulu, Hawaii, on May 24, 2023. Mr. Brent Tokita, RMA Architects, Inc., requested and authorized the sampling to determine if the quarry tiles and the area beneath in the 1<sup>st</sup> floor Lobby and connecting east and south hallways contain asbestos. Joseph Iopa (State of Hawaii Asbestos Building Inspector Certification No. HIASB-0585) of EMET collected the samples.

Asbestos was not detected in the quarry tiles and associated mortar bed. Waterproofing was not found beneath the quarry tiles.

A total of nine (9) samples of suspect asbestos-containing materials (ACM) were collected. The samples were placed in plastic containers with a unique identification number assigned to each sample and entered on a field data sheet.

EMET collected samples from the areas with pre-existing damage to the quarry tiles covered over with wooden plyboards. See the attached sketch for the sample locations.

Kaahumanu Hale  
Lobby Floor Tile, RMA #22-019

1

Asbestos Survey Report  
EMET 2205137

Bulk samples of suspect asbestos-containing materials taken during the survey were analyzed for asbestos content by a National Institute of Standards and Technology (NIST) accredited laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos fiber analysis. Laboratory analyses performed by Polarized Light Microscopy (PLM) for asbestos identification are in accordance with U.S. Environmental Protection Agency (EPA) Test Method 600/R-93/116.

The following table summarizes the laboratory results.

Table 1. Asbestos Bulk Samples on May 24, 2023

<b>Sample Nos.</b>	<b>Location</b>	<b>Material Description</b>	<b>Asbestos</b>
137-KH-1A1, 2, 3	1 <sup>st</sup> floor Lobby	red quarry tile and mortar bed	Not Detected

Please give our office a call if you have any questions.

Respectfully,



Stephen Kaneshiro

EMET Services

Att: PLM Laboratory Report

# LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy  
in accordance with 40 CFR Part 763 Appendix E to Subpart E



Client: RMA Architects, Inc.  
Contact: Brent Tokita  
Address: 1150 South King Street, 8th Floor  
Honolulu, HI 96814

Approved Signatory:

<b>Reference:</b> Kaahumanu Hale, Lobby Floor Tile	<b>Analysis Date:</b> 5/26/23	<b>Report Date:</b> 5/26/23
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Lab ID	Sample ID	Color	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
137-001	137-KH-1A1(L1)	red, gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 1
137-002	137-KH-1A1(L2)	gray, beige	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 2
137-003	137-KH-1A1(L3)	gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 3
137-004	137-KH-1A2(L1)	red, gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 1
137-005	137-KH-1A2(L2)	gray, beige	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 2
137-006	137-KH-1A2(L3)	gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 3

**Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.**

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

<p>*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.</p>	<p>*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.</p>
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**EMET Services, Inc. 94-520 Uke'e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 Facsimile: (808) 671-7979**

# LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy  
in accordance with 40 CFR Part 763 Appendix E to Subpart E



Client: RMA Architects, Inc.  
Contact: Brent Tokita  
Address: 1150 South King Street, 8th Floor  
Honolulu, HI 96814

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Reference: Kaahumanu Hale, Lobby Floor Tile	Analysis Date: 5/26/23	Report Date: 5/26/23
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Lab ID	Sample ID	Color	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
137-007	137-KH-1A3(L1)	red, gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 1
137-008	137-KH-1A3(L2)	gray, beige	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 2
137-009	137-KH-1A3(L3)	gray	No	-	-	misc. part. 100	quarry tile/mortar bed collected from 1st floor Lobby by EMET (JI) on 5/24/2023 layer 3

**Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.**

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# Kaahumanu Hale Lobby Floor Tile - Asbestos Sample Locations

