



EMSL Analytical, Inc.

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EMSL Order: 042323695
Customer ID: TTRA62
Customer PO: 103S864023138
Project ID:

Attention: Eric Jensen
 Tetra Tech EMI, Inc.
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 Suite 2340
 Honolulu, HI 96813

Phone: (808) 441-6600
Fax:
Received: 10/02/2023 9:00 AM
Analysis Date: 10/03/2023
Collected: 09/21/2023

Project: DOH Maui Wildfire Ash Sample - KULA

**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 and
 Milling Prep. Quantitation using 1000 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
KULA ASH #1 042323695-0001	ASH - KULA, MAUI, HAWAII	Black Non-Fibrous Homogeneous	15% Glass	85.0% Non-fibrous (Other)	None Detected

Sample was sieved prior to analysis to remove building debris. Milling was not needed.

Analyst(s)

Keishla Vazquez Caraballo
 (1)

Samantha Rundstrom, Laboratory Manager
 or other approved signatory

EMSL 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 EMSL. EMSL 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. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL suggests that samples reported as <0.1% or none detected undergo additional analysis via TEM. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367

Initial report from: 10/04/2023 11:21:14