

SAMPLE DETAILS
SAMPLE NAME: Lava Cake

Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Arete

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 251014L024

Date Collected: 10/14/2025

Date Received: 10/14/2025

Batch Size:
Sample Size:
Unit Mass:
Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Total THC: 17.787%

Total CBD: <LOQ

Sum of Cannabinoids: 20.81%

Total Cannabinoids: 18.25%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
Moisture: 74.8%

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), $\mu\text{g/g} = \text{ppm}$, $\mu\text{g/kg} = \text{ppb}$



Approved by: Josh Wurzer
 Chief Compliance Officer
 Date: 01/08/2026

Amendment to Certificate of Analysis 251014L024-001



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight.

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 17.787%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: <LOQ

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 18.25%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 0.21%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.080%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.18%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/15/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±6.511	202.82	20.282
CBGa	0.1 / 0.4	±0.13	2.4	0.24
CBCa	0.1 / 0.4	±0.14	2.0	0.20
THCVa	0.05 / 0.17	±0.021	0.91	0.091
CBDa	0.06 / 0.22	N/A	<LOQ	<LOQ
Δ^9 -THC	0.1 / 0.4	N/A	ND	ND
Δ^8 -THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
CBD	0.1 / 0.3	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBDVa	0.02 / 0.22	N/A	ND	ND
CBG	0.2 / 0.5	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
CBC	0.1 / 0.2	N/A	ND	ND
SUM OF CANNABINOIDS			208.1 mg/g	20.81%

MOISTURE TEST RESULT

74.8%

Tested 10/17/2025

Method: QSP 1224 - Loss on Drying (Moisture)

Arete

Sample: 03-06-2025-60463

Sample Received: 03/06/2025;

Report Created: 03/10/2025; Expires: 03/10/2026

Lava Cake
Plant, Flower - Cured



Terpenes

(Testing Method: HS-GC/MS, CON-P-4000)

Date Tested: 03/06/2025

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	721.468	0.721	
α-Humulene	0.750	3.000	4809.631	4.810	
α-Pinene	0.750	3.000	607.780	0.608	
α-Terpinene	0.750	3.000	<LOQ	<LOQ	
1,8-Cineole	0.750	3.000	26.329	0.026	
β-Caryophyllene	0.750	3.000	13333.159	13.333	
β-Myrcene	0.750	3.000	3835.728	3.836	
Borneol	0.750	3.000	219.464	0.219	
Camphene	0.750	3.000	191.530	0.192	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	173.301	0.173	
Citral	0.750	3.000	<LOQ	<LOQ	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	60.512	0.061	
γ-Terpinene	0.750	3.000	<LOQ	<LOQ	
Limonene	0.750	3.000	5037.997	5.038	
Linalool	0.750	3.000	3063.535	3.064	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	<LOQ	<LOQ	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	118.212	0.118	
Total			32198.648	32.199	3.220 %

Primary Aromas

Cinnamon



Lime



Hops



Clove



Lavender



Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range.