

SAMPLE DETAILS
SAMPLE NAME: Grape Cream 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: 251014L026

Date Collected: 10/14/2025

Date Received: 10/15/2025

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: 29.878%

Total CBD: <LOQ

Sum of Cannabinoids: 34.81%

Total Cannabinoids: 30.53%

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: 82.3%

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: 01/20/2026

Amendment to Certificate of Analysis 251014L026-001



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: 29.878%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: <LOQ

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 30.53%

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

TOTAL CBG: 0.25%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.109%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.30%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/16/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±10.936	340.68	34.068
CBCa	0.1 / 0.4	±0.23	3.4	0.34
CBGa	0.1 / 0.4	±0.15	2.8	0.28
THCVa	0.05 / 0.17	±0.029	1.24	0.124
Δ^9 -THC	0.1 / 0.4	N/A	<LOQ	<LOQ
CBDa	0.06 / 0.22	N/A	<LOQ	<LOQ
CBG	0.2 / 0.5	N/A	<LOQ	<LOQ
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
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			348.1 mg/g	34.81%

MOISTURE TEST RESULT

82.3%

Tested 10/17/2025

Method: QSP 1224 - Loss on Drying (Moisture)

NOTES

Reason for Amendment: Order Detail Information Change

Arete

Sample: 03-06-2025-60465

Sample Received: 03/06/2025;

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

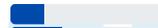
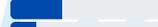
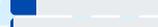
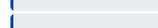
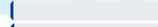
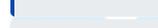
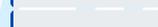
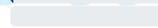
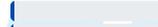
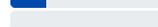
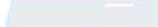
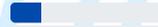
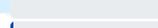
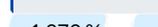
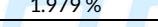
Grape Cream Cake
Plant, Flower - Cured



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	1348.965	1.349	
α-Humulene	0.750	3.000	2065.381	2.065	
α-Pinene	0.750	3.000	1041.774	1.042	
α-Terpinene	0.750	3.000	<LOQ	<LOQ	
1,8-Cineole	0.750	3.000	<LOQ	<LOQ	
β-Caryophyllene	0.750	3.000	6355.337	6.355	
β-Myrcene	0.750	3.000	2379.963	2.380	
Borneol	0.750	3.000	113.907	0.114	
Camphene	0.750	3.000	185.884	0.186	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	114.654	0.115	
Citral	0.750	3.000	<LOQ	<LOQ	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	170.266	0.170	
γ-Terpinene	0.750	3.000	<LOQ	<LOQ	
Limonene	0.750	3.000	3294.820	3.295	
Linalool	0.750	3.000	1435.522	1.436	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	1226.779	1.227	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	57.285	0.057	
Total			19790.537	19.791	1.979%

Primary Aromas

Cinnamon



Lime



Clove



Hops



Lavender



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