

SAMPLE DETAILS
SAMPLE NAME: Grand Daddy Purple
 Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Arete
License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 251014L041

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: 27.94%
Total CBD: 0.111%
Sum of Cannabinoids: 33.71%
Total Cannabinoids: 29.62%

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

Total THC = Δ^9 -THC + (THCa (0.877))
 Total CBD = CBD + (CBDa (0.877))
 Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN
 Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

Moisture: 75.4%

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), $\mu\text{g/g}$ = ppm, $\mu\text{g/kg}$ = ppb


 Approved by: Josh Wurzer
 Chief Compliance Officer
 Date: 12/15/2025

Amendment to Certificate of Analysis 251014L041-001



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: 27.94%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 0.111%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 29.62%

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

TOTAL CBG: 0.99%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.118%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.46%

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	±10.166	316.71	31.671
CBGa	0.1 / 0.4	±0.46	8.5	0.85
CBCa	0.1 / 0.4	±0.36	5.3	0.53
CBG	0.2 / 0.5	±0.16	2.4	0.24
Δ^9 -THC	0.1 / 0.4	±0.05	1.6	0.16
THCVa	0.05 / 0.17	±0.031	1.34	0.134
CBDa	0.06 / 0.22	±0.041	1.26	0.126
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			337.1 mg/g	33.71%

MOISTURE TEST RESULT

75.4%

Tested 10/17/2025

Method: QSP 1224 - Loss on Drying (Moisture)

NOTES

Reason for Amendment: Photo Update

Arete

Sample: 03-06-2025-60462

Sample Received: 03/06/2025;

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

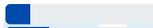
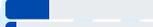
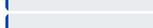
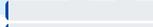
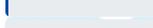
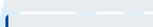
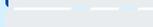
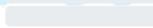
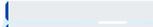
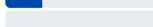
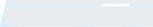
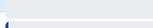
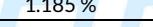
Grand Daddy Purple
Plant, Flower - Cured



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	684.428	0.684	
α-Humulene	0.750	3.000	1179.438	1.179	
α-Pinene	0.750	3.000	292.604	0.293	
α-Terpinene	0.750	3.000	<LOQ	<LOQ	
1,8-Cineole	0.750	3.000	21.399	0.021	
β-Caryophyllene	0.750	3.000	4322.843	4.323	
β-Myrcene	0.750	3.000	1705.257	1.705	
Borneol	0.750	3.000	69.636	0.070	
Camphene	0.750	3.000	95.733	0.096	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	79.540	0.080	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	60.176	0.060	
γ-Terpinene	0.750	3.000	<LOQ	<LOQ	
Limonene	0.750	3.000	2261.902	2.262	
Linalool	0.750	3.000	1012.042	1.012	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	22.506	0.023	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	38.608	0.039	
Total			11846.113	11.846	1.185 %

Primary Aromas

Cinnamon



Lime



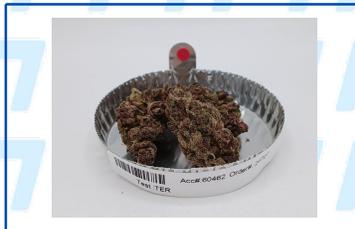
Clove



Hops



Lavender



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