

Arete

Sample: 05-21-2025-62226

Sample Received: 05/21/2025;

Report Created: 05/23/2025; Expires: 05/23/2026

Purple Haze
Plant, Flower - Cured

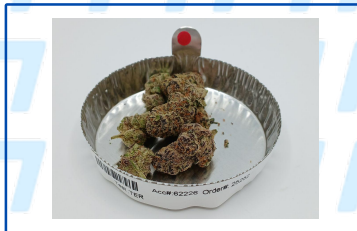


Terpenes

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

Date Tested: 05/21/2025

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	212.656	0.213	
α-Humulene	0.750	3.000	1703.005	1.703	
α-Pinene	0.750	3.000	289.807	0.290	
α-Terpinene	0.750	3.000	23.356	0.023	
1,8-Cineole	0.750	3.000	120.767	0.121	
β-Caryophyllene	0.750	3.000	5563.256	5.563	
β-Myrcene	0.750	3.000	9699.174	9.699	
Borneol	0.750	3.000	69.202	0.069	
Camphene	0.750	3.000	71.418	0.071	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	134.728	0.135	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	24.005	0.024	
γ-Terpinene	0.750	3.000	27.520	0.028	
Limonene	0.750	3.000	1603.378	1.603	
Linalool	0.750	3.000	3502.200	3.502	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	2657.448	2.657	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	31.779	0.032	
Total			25733.697	25.734	2.573 %



Primary Aromas

Clove



Cinnamon



Lavender



Earthy



Hops



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

SAMPLE DETAILS
SAMPLE NAME: Purple Haze

Flower, Inhalable

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

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 250404M037

Date Collected: 04/04/2025

Date Received: 04/04/2025

Batch Size:
Sample Size:
Unit Mass:
Serving Size: 1.5 grams per Serving

Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
CALCULATED USING DRY-WEIGHT
Total THC: 25.747%

Total CBD: <LOQ

Sum of Cannabinoids: 30.41%

Total Cannabinoids: 26.67%

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: 78.8%

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

Daniel Hardwick
LQC verified by: Daniel Hardwick
Job Title: Technical Lead
Date: 04/22/2025

Josh Wurzer
Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/22/2025

Amendment to Certificate of Analysis 250404M037-002



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: 25.747%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: <LOQ

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 26.67%

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

TOTAL CBG: 0.58%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.137%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.21%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/07/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±9.424	293.58	29.358
CBGa	0.1 / 0.4	±0.36	6.6	0.66
CBCa	0.1 / 0.4	±0.16	2.4	0.24
THCVa	0.05 / 0.17	±0.037	1.56	0.156
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			304.1 mg/g	30.41%

Serving Size: 1.5 grams per Serving

Δ^9 -THC per Serving	<LOQ
Total THC per Serving	386.21 mg/serving
CBD per Serving	ND
Total CBD per Serving	<LOQ
Sum of Cannabinoids per Serving	456.2 mg/serving
Total Cannabinoids per Serving	400.1 mg/serving

MOISTURE TEST RESULT

78.8%

Tested 04/09/2025

Method: QSP 1224 - Loss on Drying (Moisture)

NOTES

Reason for Amendment: Order Detail Information Change Sample serving mass provided by client.