

Certificate of Analysis

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

Total THC = $\Delta^7\text{-THC} + (\text{THCa} (0.877))$

Total CBD = CBD + (CBDa (0.877))

Total CBD: <LOQ**Sum of Cannabinoids:** 30.41%**Total Cannabinoids:** 26.67%**Moisture:** 78.8%Sum of Cannabinoids = $\Delta^7\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVA} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVA} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$
Total Cannabinoids = $(\Delta^7\text{-THC} + 0.877 \times \text{THCa}) + (\text{CBD} + 0.877 \times \text{CBDA}) + (\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVA}) + (\text{CBC} + 0.877 \times \text{CBCa}) + (\text{CBDV} + 0.877 \times \text{CBDVA}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

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


LOQ verified by: Daniel Hardwick
Job Title: Technical Lead
Date: 04/22/2025
Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/22/2025

Amendment to Certificate of Analysis 250404M037-002



DATE ISSUED 04/22/2025

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*CBDA)

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.