

SAMPLE DETAILS
SAMPLE NAME: Orange Push Pop
 Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Arete
License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 251014L035

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: 27.120%
Total CBD: 0.103%
Sum of Cannabinoids: 32.64%
Total Cannabinoids: 28.65%

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: 73.8%

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


 Approved by: Josh Wurzer
 Chief Compliance Officer
 Date: 11/05/2025

Amendment to Certificate of Analysis 251014L035-001



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: 27.120%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 0.103%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 28.65%

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

TOTAL CBG: 0.87%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.120%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.44%

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 | ±9.927 | 309.24 | 30.924 |
| CBGa | 0.1 / 0.4 | ±0.39 | 7.3 | 0.73 |
| CBCa | 0.1 / 0.4 | ±0.34 | 5.0 | 0.50 |
| CBG | 0.2 / 0.5 | ±0.15 | 2.3 | 0.23 |
| THCVa | 0.05 / 0.17 | ±0.032 | 1.37 | 0.137 |
| CBDa | 0.06 / 0.22 | ±0.039 | 1.18 | 0.118 |
| Δ^9 -THC | 0.1 / 0.4 | 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 | | | 326.4 mg/g | 32.64% |

MOISTURE TEST RESULT

73.8%

Tested 10/17/2025

Method: QSP 1224 - Loss on Drying (Moisture)

Arete

Sample: 01-03-2025-58887

Sample Received: 01/03/2025;

Report Created: 01/07/2025; Expires: 01/07/2026

Orange Push Pop
Plant, Flower - Cured



Terpenes

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

Date Tested: 01/03/2025

| Analyte | LOD | LOQ | Mass | Mass | |
|---------------------|-------|-------|-----------|--------|---------------------------------|
| | PPM | PPM | PPM | mg/g | |
| α-Bisabolol | 0.750 | 3.000 | 536.087 | 0.536 | <div style="width: 10%;"></div> |
| α-Humulene | 0.750 | 3.000 | 2102.430 | 2.102 | <div style="width: 15%;"></div> |
| α-Pinene | 0.750 | 3.000 | 447.952 | 0.448 | <div style="width: 10%;"></div> |
| α-Terpinene | 0.750 | 3.000 | <LOQ | <LOQ | <div style="width: 0%;"></div> |
| 1,8-Cineole | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| β-Caryophyllene | 0.750 | 3.000 | 7893.143 | 7.893 | <div style="width: 30%;"></div> |
| β-Myrcene | 0.750 | 3.000 | 2189.655 | 2.190 | <div style="width: 15%;"></div> |
| Borneol | 0.750 | 3.000 | 102.278 | 0.102 | <div style="width: 5%;"></div> |
| Camphene | 0.750 | 3.000 | 141.898 | 0.142 | <div style="width: 5%;"></div> |
| Carene | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Caryophyllene Oxide | 3.000 | 3.000 | 408.439 | 0.408 | <div style="width: 5%;"></div> |
| Citral | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Dihydrocarveol | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Fenchone | 0.750 | 3.000 | 67.428 | 0.067 | <div style="width: 2%;"></div> |
| γ-Terpinene | 0.750 | 3.000 | <LOQ | <LOQ | <div style="width: 0%;"></div> |
| Limonene | 0.750 | 3.000 | 3557.201 | 3.557 | <div style="width: 15%;"></div> |
| Linalool | 0.750 | 3.000 | 3814.818 | 3.815 | <div style="width: 15%;"></div> |
| Menthol | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Nerolidol | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Ocimene | 0.750 | 3.000 | 27.684 | 0.028 | <div style="width: 1%;"></div> |
| Pulegone | 0.750 | 3.000 | ND | ND | <div style="width: 0%;"></div> |
| Terpinolene | 0.750 | 3.000 | 78.124 | 0.078 | <div style="width: 2%;"></div> |
| Total | | | 21367.135 | 21.367 | 2.137 % |

Primary Aromas

Cinnamon



Lavender



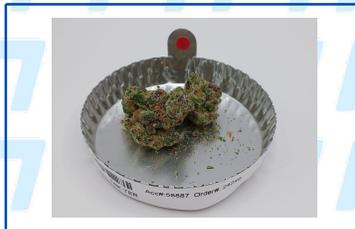
Lime



Clove



Hops



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