

Tangie

Sample ID: 2510NBL1079.3036
Matrix: Plant
Type: Flower - Cured
Sample Size:

Received: 10/23/2025
Completed: 10/27/2025
Expires: 10/27/2026
External Lot ID:
Batch#:

Client
Arete Hemp

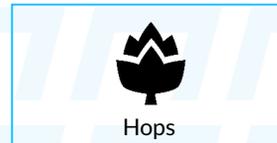


Terpenes

Complete

Analyte	LOD	LOQ	Result	Result	
	PPM	PPM	mg/g	%	
β-Caryophyllene	0.6429	2.1429	10.69	1.069	
Limonene	0.6429	2.1429	4.75	0.475	
Linalool	0.6429	2.1429	3.99	0.399	
β-Myrcene	0.6429	2.1429	3.79	0.379	
α-Humulene	0.6429	2.1429	3.48	0.348	
α-Pinene	0.6429	2.1429	1.84	0.184	
Ocimene	0.6429	2.1429	1.17	0.117	
Caryophyllene Oxide	0.6429	2.1429	0.67	0.067	
α-Bisabolol	0.6429	2.1429	0.46	0.046	
Borneol	0.6429	2.1429	0.27	0.027	
Camphene	0.6429	2.1429	0.22	0.022	
Fenchone	0.6429	2.1429	0.14	0.014	
Terpinolene	0.6429	2.1429	0.08	0.008	
Citral	0.6429	2.1429	0.02	0.002	
γ-Terpinene	0.6429	2.1429	0.01	0.001	
α-Terpinene	0.6429	2.1429	0.01	0.001	
1,8-Cineole	0.6429	2.1429	0.01	0.001	
3-Carene	0.6429	2.1429	ND	ND	
Menthol	0.6429	2.1429	ND	ND	
Nerolidol	0.6429	2.1429	ND	ND	
(+)-Dihydrocarveol	0.6429	2.1429	ND	ND	
Pulegone	0.6429	2.1429	ND	ND	
Total			31.62	3.162	

Primary Aromas



Date Tested: 10/24/2025

Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range. Testing Method: HS-GC/MS, CON-P-4000



Ashley N Phillips

Ashley Phillips
Laboratory Director
10/27/2025

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SAMPLE DETAILS
SAMPLE NAME: Tangie

Flower, Inhalable

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

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 251004R010

Date Collected: 10/04/2025

Date Received: 10/04/2025

Batch Size:
Sample Size:
Unit Mass:
Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 21.40%
Total CBD: 0.085%
Sum of Cannabinoids: 25.67%
Total Cannabinoids: 22.56%

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

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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: 10/16/2025

Amendment to Certificate of Analysis 251004R010-001




Cannabinoïd Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 21.40%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 0.085%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 22.56%

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

TOTAL CBG: 0.70%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.100%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.27%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877* CBDVa)

CANNABINOID TEST RESULTS - 10/07/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±7.750	241.44	24.144
CBGa	0.1 / 0.4	±0.30	5.6	0.56
CBCa	0.1 / 0.4	±0.21	3.1	0.31
Δ^9 -THC	0.1 / 0.4	±0.07	2.3	0.23
CBG	0.2 / 0.5	±0.14	2.1	0.21
THCVa	0.05 / 0.17	±0.027	1.14	0.114
CBDa	0.06 / 0.22	±0.032	0.97	0.097
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			256.7 mg/g	25.67%

NOTES

Reason for Amendment: Order Detail Information Change