

SAMPLE DETAILS
SAMPLE NAME: Sour Diesel

Concentrate, Product Inhalable

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

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 260414L024

Date Collected: 04/14/2026

Date Received: 04/14/2026

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


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 70.140%

Total CBD: 0.177%

Sum of Cannabinoids: 86.61%

Total Cannabinoids: 76.73%

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


 LQC verified by: Daniel Hardwick
 Job Title: Technical Lead
 Date: 05/01/2026


 Approved by: Josh Wurzer
 Chief Compliance Officer
 Date: 05/01/2026

Amendment to Certificate of Analysis 260414L024-002



Cannabinoid Analysis

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

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

TOTAL THC: 70.140%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 0.177%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 76.73%

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

TOTAL CBG: 5.814%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.268%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.33%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/14/2026

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.05 / 0.14	±15.995	799.77	79.977
CBG	0.06 / 0.19	±1.785	58.14	5.814
THCVa	0.07 / 0.20	±0.114	3.06	0.306
CBC	0.2 / 0.5	±0.06	2.6	0.26
CBD	0.07 / 0.29	±0.064	1.77	0.177
CBCa	0.07 / 0.28	±0.029	0.75	0.075
CBN	0.1 / 0.3	N/A	<LOQ	<LOQ
Δ^9 -THC	0.06 / 0.26	N/A	ND	ND
Δ^8 -THC	0.1 / 0.4	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
CBDa	0.02 / 0.19	N/A	ND	ND
CBDV	0.04 / 0.15	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
SUM OF CANNABINOIDS			866.1 mg/g	86.61%

NOTES

Reason for Amendment: Order Detail Information Change