

# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 04/24/2025

## SAMPLE DETAILS

SAMPLE NAME: Hippie Crippler Flower, Inhalable

# CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

# DISTRIBUTOR / TESTED FOR

Business Name: Arete License Number: Address:

#### SAMPLE DETAIL

Batch Number: Sample ID: 250404M030 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**

Total THC: 23.057% Total CBD: <LOQ Sum of Cannabinoids: 27.08% Total Cannabinoids: 23.75% 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 =  $\Delta^{9}$ -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids =  $\Delta^{9}$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^{8}$ -THC + CBL + CBN Total Cannabinoids = ( $\Delta^{9}$ -THC + 0.877\*THCa) + (CBC+0.877\*CBDa) + (CBG+0.877\*CBCa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBCA) +  $\Delta^{8}$ -THC + CBL + CBN

#### CALCULATED USING DRY-WEIGHT

Moisture: 78.7%

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), μg/g = ppm, μg/kg = ppb

LOC verified by: Daniel Hardwick Job Title: Technical Lead

Date: 04/24/2025

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 04/24/2025

Amendment to Certificate of Analysis 250404M030-002

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# 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: 23.057%

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

#### TOTAL CBD: <LOQ

Total CBD (CBD+0.877\*CBDa)

#### **TOTAL CANNABINOIDS: 23.75%**

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

# **TOTAL CBG: 0.58%**

Total CBG (CBG+0.877\*CBGa)

# TOTAL THCV: 0.115%

Total THCV (THCV+0.877\*THCVa)

# TOTAL CBC: <LOQ Total CBC (CBC+0.877\*CBCa)

# TOTAL CBDV: ND

Total CBDV (CBDV+0.877\*CBDVa)

#### CANNABINOID TEST RESULTS - 04/06/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04/0.24	±8.439	262.91	26.291
CBGa	0.1/0.4	±0.36	6.6	0.66
THCVa	0.05/0.17	±0.031	1.31	0.131
∆ <sup>9</sup> -THC	0.1/0.4	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDa	0.06/0.22	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBG	0.2/0.5	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBCa	0.1/0.4	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
∆ <sup>8</sup> -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			270.8 mg/g	27.08%

#### Serving Size: 1.5 grams per Serving

$\Delta^9$ -THC per Serving	<loq< th=""></loq<>
Total THC per Serving	345.86 mg/serving
CBD per Serving	ND
Total CBD per Serving	<loq< td=""></loq<>
Sum of Cannabinoids per Serving	406.2 mg/serving
Total Cannabinoids per Serving	356.3 mg/serving

#### MOISTURE TEST RESULT

#### 78.7%

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.