

# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 12/09/2024

## SAMPLE DETAILS

SAMPLE NAME: Live THCa Liquid Diamonds - Lemon OG Concentrate, Hemp

## CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

### SAMPLE DETAIL

Batch Number: 162424185003 Sample ID: 240809M011

# Business Name: The Hemp Collect

License Number: Address:

**DISTRIBUTOR / TESTED FOR** 

Date Collected: 08/09/2024 Date Received: 08/09/2024 Batch Size: Sample Size: Unit Mass: Serving Size:





Density: 1.0508 g/mL

## Scan QR code to verify authenticity of results.

## **CANNABINOID ANALYSIS - SUMMARY**

Total THC: **49.481%** Total CBD: **14.00%** 

Sum of Cannabinoids: 74.19%

Total Cannabinoids: 65.11%

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) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^{8}$ -THC + CBL + CBN

Total THC/CBD is calculated using the following formulas to take into

#### SAFETY ANALYSIS - SUMMARY

Pesticides: ND

Residual Solvents: DETECTED

Heavy Metals: ND

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.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), μg/g = ppm, μg/kg = ppb



Approvéd by: Josh Wurzer Job Title: Chief Compliance Officer Date: 12/09/2024

Amendment to Certificate of Analysis 240809M011-007

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

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

TOTAL THC: 49.481%

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

## TOTAL CBD: 14.00%

Total CBD (CBD+0.877\*CBDa)

## **TOTAL CANNABINOIDS: 65.11%**

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

## TOTAL CBG: 0.26%

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: 0.252% Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 1.01% Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 0.102% Total CBDV (CBDV+0.877\*CBDVa)

## **Pesticide Analysis**

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

\*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

## CANNABINOID TEST RESULTS - 08/10/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.05/0.14	±11.284	564.21	56.421
CBDa	0.02/0.19	±3.551	155.73	15.573
CBCa	0.07/0.28	±0.439	11.52	1.152
CBD	0.07/0.29	±0.123	3.42	0.342
CBGa	0.1/0.2	±0.12	3.0	0.30
THCVa	0.07/0.20	±0.106	2.87	0.287
CBDVa	0.03/0.53	±0.027	1.16	0.116
∆ <sup>9</sup> -THC	0.06 / 0.26	N/A	ND	ND
∆ <sup>8</sup> -THC	0.1/0.4	N/A	ND	ND
THCV	0.1/0.2	N/A	ND	ND
CBDV	0.04 / 0.15	N/A	ND	ND
CBG	0.06/0.19	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
CBN	0.1/0.3	N/A	ND	ND
CBC	0.2/0.5	N/A	ND	ND
SUM OF CANNA	BINOIDS		741.9 mg/g	74.19%

## DENSITY TEST RESULT

1.0508 g/mL

Tested 08/10/2024

Method: QSP 7870 - Sample Preparation

## PESTICIDE TEST RESULTS - 08/12/2024 ND

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (μg/g)
Abamectin	0.03 / 0.10	N/A	ND
Azoxystrobin	0.02/0.07	N/A	ND
Bifenazate	0.01/0.04	N/A	ND
Bifenthrin	0.02 / 0.05	N/A	ND
Boscalid	0.03/0.09	N/A	ND
Chlorpyrifos	0.02/0.06	N/A	ND
Cypermethrin	0.11/0.32	N/A	ND
Etoxazole	0.02 / 0.06	N/A	ND
Hexythiazox	0.02/0.07	N/A	ND
Imidacloprid	0.04 / 0.11	N/A	ND

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## **Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS**

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ND

ND

ND

## Pesticide Analysis Continued

## PESTICIDE TEST RESULTS - 08/12/2024 continued ND

**RESIDUAL SOLVENTS TEST RESULTS - 08/12/2024 DETECTED** 

0.1/0.3

0.05/0.1

2/7

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Malathion	0.03/0.09	N/A	ND
Myclobutanil	0.03/0.09	N/A	ND
Permethrin	0.04 / 0.12	N/A	ND
Piperonyl Butoxide	0.02/0.07	N/A	ND
Propiconazole	0.02/0.07	N/A	ND
Spiromesifen	0.02 / 0.05	N/A	ND
Tebuconazole	0.02/0.07	N/A	ND
Trifloxystrobin	0.03 / 0.08	N/A	ND

#### Residual Solvents Analysis Ā

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)
Propane	10/20	N/A	ND
n-Butane	10/50	±5.2	108
n-Pentane	20/50	N/A	ND
n-Hexane	2/5	N/A	ND
n-Heptane	20/60	N/A	ND
Benzene	0.03/0.09	N/A	ND
Toluene	7/21	N/A	ND
Total Xylenes	50 / 160	N/A	ND
Methanol	50 / 200	N/A	ND
Ethanol	20/ <mark>50</mark>	N/A	ND
2-Propanol (Isopropyl Alcohol)	10/40	±1.2	51
Acetone	20/50	N/A	<loq< td=""></loq<>
Ethyl Ether	20/50	N/A	ND
Ethylene Oxide	0.3/0.8	N/A	ND
Ethyl Acetate	20/60	N/A	ND
Chloroform	0.1/0.2	N/A	ND
Dichloromethane (Methylene Chloride)	0.3/0.9	N/A	ND

N/A

N/A

N/A

Trichloroethylene 1,2-Dichloroethane

Acetonitrile



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## Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

## HEAVY METALS TEST RESULTS - 08/10/2024 ND

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Arsenic	0.02 / 0.1	N/A	ND
Cadmium	0.02/0.05	N/A	ND
Lead	0.04 / 0.1	N/A	ND
Mercury	0.002/0.01	N/A	ND

### NOTES

Reason for Amendment: Order Detail Information Change