

SAMPLE NAME: Optimize TINCTURE

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Smart CBD Solutions, LLC

License Number:
Address:

SAMPLE DETAIL
Batch Number:
Sample ID: 240206R010

Date Collected: 02/06/2024

Date Received: 02/07/2024

Batch Size:
Sample Size: 1.0 units

Unit Mass: 30 grams per Unit

Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: **Not Detected**
Total CBD: **1724.790 mg/unit**
Sum of Cannabinoids: **1821.690 mg/unit**
Total Cannabinoids: **1821.690 mg/unit**

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

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

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

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

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

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

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

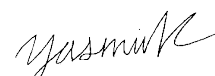
$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
Density: 0.9293 g/mL

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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

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)



 LQC verified by: Yasmin Kakkar
 Job Title: Senior Laboratory Analyst
 Date: 02/07/2024



 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 02/07/2024



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: **Not Detected**

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: **1724.790 mg/unit**

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: **1821.690 mg/unit**

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

TOTAL CBG: **9.180 mg/unit**

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: **ND**

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: **50.940 mg/unit**

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: **9.240 mg/unit**

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 02/07/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±2.1445	57.493	5.7493
CBC	0.003 / 0.010	±0.0547	1.698	0.1698
CBN	0.001 / 0.007	±0.0220	0.767	0.0767
CBDV	0.002 / 0.012	±0.0126	0.308	0.0308
CBG	0.002 / 0.006	±0.0148	0.306	0.0306
CBL	0.003 / 0.010	±0.0056	0.151	0.0151
Δ^9 -THC	0.002 / 0.014	N/A	ND	ND
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			60.723 mg/g	6.0723%

Unit Mass: 30 grams per Unit

Δ^9 -THC per Unit	ND
Total THC per Unit	ND
CBD per Unit	1724.790 mg/unit
Total CBD per Unit	1724.790 mg/unit
Sum of Cannabinoids per Unit	1821.690 mg/unit
Total Cannabinoids per Unit	1821.690 mg/unit

DENSITY TEST RESULT

0.9293 g/mL

Tested 02/07/2024

Method: QSP 7870 - Sample Preparation