

CERTIFICATE OF ANALYSIS | HEMP QUALITY ASSURANCE TEST



Sample Name:

Spa Massage Oil – 1500mg

Infused, Solid Edible

Date Issued:

09/03/2022



[s.com/sample_photos/220901S004.jpg](https://client.sclabs.com/sample_photos/220901S004.jpg))

Sample Details

Sample ID: 220901S004

Batch Number:

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Cultivator / Manufacturer

[Show Details](#)

Distributor / Tested For

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Cannabinoid Analysis - Summary

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Total THC: **Not Detected**

Density: 0.9447 g/mL

Total CBD: **1536.000 mg/unit**

Sum of Cannabinoids: **1596.240 mg/unit**

Total Cannabinoids: **1596.240 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:

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

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

$$\begin{aligned} \text{Sum of Cannabinoids} = & \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} \\ & + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \\ & \text{CBN} \end{aligned}$$

$$\begin{aligned} \text{Total Cannabinoids} = & (\Delta^9\text{-THC} + 0.877 * \text{THCa}) + (\text{CBD} + 0.877 * \text{CBDa}) + \\ & (\text{CBG} + 0.877 * \text{CBGa}) + (\text{THCV} + 0.877 * \text{THCVa}) + (\text{CBC} + 0.877 * \text{CBCa}) + \\ & (\text{CBDV} + 0.877 * \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \end{aligned}$$

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately? ▼

Safety Analysis - Summary

[View Full Results](#)

Δ^9 -THC per Unit: **Pass**

View Complete Test Results:

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Cannabinoid Analysis **Tested**

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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

Summary

Total THC:

Not Detected

(Δ^9 -THC+0.877*THCa)

Total CBD:

1536.000 mg/unit

(CBD+0.877*CBDa)

Total Cannabinoids: ?

1596.240 mg/unit

Total CBG: 40.080 mg/unit

Total CBG (CBG+0.877*CBGa)

Total THCV: ND

Total THCV (THCV+0.877*THCVa)

Total CBC: ND

Total CBC (CBC+0.877*CBCa)

Total CBDV: 8.160 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

Cannabinoid Test Results | 09/03/2022

Result Views

Table Pie Chart

Filter by:

Compound	LOD/LOQ (mg/mL) [?]	Measurement Uncertainty (mg/mL) [?]	Result (mg/mL)	Result (%)
Cannabidiol (CBD)	0.004 / 0.011	±0.2387	6.400	0.6775
Cannabigerol (CBG)	0.002 / 0.006	±0.0081	0.167	0.0177
Cannabinol (CBN)	0.001 / 0.007	±0.0014	0.050	0.0053
Cannabidivarin (CBDV)	0.002 / 0.012	±0.0014	0.034	0.0036
Δ9 Tetrahydrocannabinol (Δ9THC)	0.002 / 0.014	N/A	ND	ND
Δ8 Tetrahydrocannabinol (Δ8THC)	0.01 / 0.02	N/A	ND	ND
Tetrahydrocannabinolic Acid (THCa)	0.001 / 0.005	N/A	ND	ND
Tetrahydrocannabivarin (THCV)	0.002 / 0.012	N/A	ND	ND
Tetrahydrocannabivarinic Acid (THCVa)	0.002 / 0.019	N/A	ND	ND
SUM OF CANNABINOIDS			6.651 mg/mL	0.704%

Compound	LOD/LOQ (mg/mL) ⓘ	Measurement Uncertainty (mg/mL) ⓘ	Result (mg/mL)	Result (%)
Cannabidiolic Acid (CBDa)	0.001 / 0.026	N/A	ND	ND
Cannabidivarinic Acid (CBDVa)	0.001 / 0.018	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.002 / 0.007	N/A	ND	ND
Cannabicyclol (CBL)	0.003 / 0.010	N/A	ND	ND
Cannabichromene (CBC)	0.003 / 0.010	N/A	ND	ND
Cannabichromenic Acid (CBCa)	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			6.651 mg/mL	0.704%

Unit Mass: 240 MILLILITERS

Δ⁹-THC per Unit	110 per-package limit	ND	Pass
Total THC per Unit		ND	
CBD per Unit		1536.000 mg/unit	

Total CBD per Unit	1536.000 mg/unit
Sum of Cannabinoids per Unit	1596.240 mg/unit
Total Cannabinoids per Unit	1596.240 mg/unit

Density Test Result

0.9447 g/mL

Tested 09/03/2022

Method: QSP 7870 - Sample Preparation

Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannabinoids/>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannabis/>) determines the potency of a sample to aid in dosage considerations.

COA ID: 220901S004-001

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