

SAMPLE NAME: Full Spec Sleep

Infused, Hemp Infused

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

License Number:
Address:
SAMPLE DETAIL
Batch Number: FSSLP25510C

Sample ID: 221027M029

Date Collected: 10/27/2022

Date Received: 10/27/2022

Batch Size:
Sample Size: 180000.0 units

Unit Mass: 4.905 grams per Unit

Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 5.160 mg/unit

Total CBD: 24.187 mg/unit

Sum of Cannabinoids: 43.95 mg/unit

Total Cannabinoids: 43.94 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:

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

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

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

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

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

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

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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)



LOQ verified by: Mackenzie Whitman
Job Title: Laboratory Director
Date: 11/01/2022



Approved by: Josh Wurzer
Job Title: President
Date: 11/01/2022



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: 5.160 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 24.187 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 43.94 mg/unit

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

TOTAL CBG: 1.717 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.726 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.343 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/29/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.1839	4.931	0.4931
CBN	0.001 / 0.007	±0.0620	2.159	0.2159
Δ^9 -THC	0.002 / 0.014	±0.0578	1.052	0.1052
CBG	0.002 / 0.006	±0.0170	0.350	0.0350
Δ^8 -THC	0.01 / 0.02	±0.008	0.17	0.017
CBC	0.003 / 0.010	±0.0048	0.148	0.0148
CBL	0.003 / 0.010	±0.0029	0.078	0.0078
CBDV	0.002 / 0.012	±0.0029	0.070	0.0070
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			8.96 mg/g	0.896%

Unit Mass: 4.905 grams per Unit

Δ^9 -THC per Unit	5.160 mg/unit
Total THC per Unit	5.160 mg/unit
CBD per Unit	24.187 mg/unit
Total CBD per Unit	24.187 mg/unit
Sum of Cannabinoids per Unit	43.95 mg/unit
Total Cannabinoids per Unit	43.94 mg/unit

NOTES

COA amended, update to order detail information.