

Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 04/12/2023

SAMPLE NAME: 5000mg CBD Balm

Infused, Hemp

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 230410W004

DISTRIBUTOR / TESTED FOR

Business Name: Deep Relief CBD

License Number:

Address:

Date Collected: 04/10/2023

Date Received: 04/10/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass: 60 grams per Unit

Serving Size:







Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 36.660 mg/unit

Total CBD: 5085.420 mg/unit

Total Cannabinoids: 5166.060 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:

Total THC = Δ^9 -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 5166.060 mg/unit^{THCV} + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^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) + Δ⁸-THC + CBL + 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: 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.

verified by: Kevin Flores lob Title: Senior Laboratory Analyst Date: 04/12/2023

Approved by: Josh Wurzer Title: Chief Compliance Officer Date: 04/12/2023

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)









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: 36.660 mg/unit

Total THC (Δ⁹-THC+0.877*THCa)

TOTAL CBD: 5085.420 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 5166.060 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 13.680 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 23.460 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/12/2023

	COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
	CBD	0.004 / 0.011	±3.1614	84.757	8.4757
	Δ^9 -THC	0.002/0.014	±0.0335	0.611	0.0611
	CBDV	0.002/0.012	±0.0160	0.391	0.0391
	СВС	0.003 / 0.010	±0.0073	0.228	0.0228
	CBL	0.003 / 0.010	±0.0023	0.063	0.0063
nit -	CBN	0.001 / 0.007	±0.0015	0.051	0.0051
	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
111	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
	CBG	0.002 / 0.006	N/A	ND	ND
	CBGa	0.002 / 0.007	N/A	ND	ND
	CBCa	0.001 / 0.015	N/A	ND	ND
	SUM OF CANNA	BINOIDS		86.101 mg/g	8.6101%

Unit Mass: 60 grams per Unit

Δ^9 -THC per Unit	36.660 mg/unit
Total THC per Unit	36.660 mg/unit
CBD per Unit	5085.420 mg/unit
Total CBD per Unit	5085.420 mg/unit
Sum of Cannabinoids per Unit	5166.060 mg/unit
Total Cannabinoids per Unit	5166.060 mg/unit