

SAMPLE NAME: 1000mg cbd

Infused, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Royal Element LLC

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 231219N009

Date Collected: 12/19/2023

Date Received: 12/19/2023

Batch Size:
Sample Size: 1.0 units

Unit Mass: 30 grams per Unit

Serving Size: 0.5 grams per Serving


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: **Not Detected**
Total CBD: **1185.420 mg/unit**
Sum of Cannabinoids: **1193.580 mg/unit**
Total Cannabinoids: **1193.250 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: 0.9476 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.

QC Verified by: Rinal Ahir
Date: 12/22/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 12/22/2023

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: **Not Detected**

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: **1185.420 mg/unit**

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: **1193.250 mg/unit**

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

TOTAL CBG: **2.910 mg/unit**

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: **ND**

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: **<LOQ**

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: **4.920 mg/unit**

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 12/22/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±1.4711	39.439	3.9439
CBDV	0.002 / 0.012	±0.0067	0.164	0.0164
CBG	0.002 / 0.006	±0.0047	0.097	0.0097
CBDa	0.001 / 0.026	±0.0024	0.086	0.0086
CBC	0.003 / 0.010	N/A	<LOQ	<LOQ
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
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			39.786 mg/g	3.9786%

Unit Mass: 30 grams per Unit / Serving Size: 0.5 grams per Serving

Δ^9 -THC per Unit	ND
Δ^9 -THC per Serving	ND
Total THC per Unit	ND
Total THC per Serving	ND
CBD per Unit	1183.170 mg/unit
CBD per Serving	19.720 mg/serving
Total CBD per Unit	1185.420 mg/unit
Total CBD per Serving	19.757 mg/serving
Sum of Cannabinoids per Unit	1193.580 mg/unit
Sum of Cannabinoids per Serving	19.893 mg/serving
Total Cannabinoids per Unit	1193.250 mg/unit
Total Cannabinoids per Serving	19.888 mg/serving

DENSITY TEST RESULT

0.9476 g/mL

Tested 12/22/2023

Method: QSP 7870 - Sample Preparation