

SAMPLE NAME: Green River Botanicals CBD:CBG Tincture

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: Carolina Botanical Development

License Number:

Address: 131 Preamble Court
Anderson SC 29621

SAMPLE DETAIL

Batch Number: PR.211215A

Sample ID: 220108X001

Date Collected: 01/08/2022

Date Received: 01/08/2022

Batch Size:

Sample Size:

Unit Mass: 28.596 grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **64.141 mg/unit**

Total CBD: **1595.542 mg/unit**

Sum of Cannabinoids: **3441.300 mg/unit**

Total Cannabinoids: **3427.688 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 = $\Delta^9\text{THC} + (\text{THCa} \times 0.877)$

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

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

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

Density: 0.9532 g/mL

For quality assurance purposes. Not a Pre-Harvest 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. Action limits for required tests are either state-specific, or the lower of any conflicting state regulations based upon the panel requested.

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)

Carmen Stackhouse
LQC verified by: Carmen Stackhouse
Date: 01/09/2022

Josh Wurzer
Approved by: Josh Wurzer, President
Date: 01/09/2022

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: 64.141 mg/unit

Total THC ($\Delta 9$ THC + $0.877 \times \text{THCa}$)

TOTAL CBD: 1595.542 mg/unit

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

TOTAL CANNABINOIDS: 3427.688 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 1596.629 mg/unit

Total CBG (CBG + $0.877 \times \text{CBGa}$)

TOTAL THCV: ND

Total THCV (THCV + $0.877 \times \text{THCVa}$)

TOTAL CBC: 155.448 mg/unit

Total CBC (CBC + $0.877 \times \text{CBCa}$)

TOTAL CBDV: 8.665 mg/unit

Total CBDV (CBDV + $0.877 \times \text{CBDVa}$)

CANNABINOID TEST RESULTS - 01/09/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	± 2.6332	54.972	5.4972
CBG	0.002 / 0.006	± 3.3168	53.324	5.3324
CBC	0.003 / 0.010	± 0.2226	5.378	0.5378
CBGa	0.002 / 0.007	± 0.0839	2.862	0.2862
$\Delta 9$ THC	0.002 / 0.014	± 0.1581	2.243	0.2243
CBDa	0.001 / 0.026	± 0.0343	0.940	0.0940
CBDV	0.002 / 0.012	± 0.0159	0.303	0.0303
CBL	0.003 / 0.010	± 0.0068	0.143	0.0143
CBN	0.001 / 0.007	± 0.0041	0.111	0.0111
CBCa	0.001 / 0.015	± 0.0032	0.066	0.0066
THCa	0.001 / 0.005	N/A	ND	ND
$\Delta 8$ THC	0.01 / 0.02	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
SUM OF CANNABINOIDS			120.342 mg/g	12.0342%

Unit Mass: 28.596 grams per Unit

$\Delta 9$ THC per Unit	64.141 mg/unit
Total THC per Unit	64.141 mg/unit
CBD per Unit	1571.979 mg/unit
Total CBD per Unit	1595.542 mg/unit
Sum of Cannabinoids per Unit	3441.300 mg/unit
Total Cannabinoids per Unit	3427.688 mg/unit

DENSITY TEST RESULT

0.9532 g/mL

Tested 01/09/2022

Method: QSP 7870 - Sample Preparation

