

SAMPLE NAME: Green River Botanicals 1500mg CBG Natural

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.210429B

Sample ID: 210730T043

Date Collected: 07/30/2021

Date Received: 07/30/2021

Batch Size:

Sample Size:

Unit Mass: 28.461 grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 16.735 mg/unit

Total CBD: 41.183 mg/unit

Sum of Cannabinoids: 1716.995 mg/unit

Total Cannabinoids: 1702.451 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 = $\Delta^9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDA} \cdot 0.877)$
 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 = $(\Delta^9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$

Density: 0.9487 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 *Josh Wurzer*
 LQC verified by: Carmen Stackhouse Date: 08/01/2021
 Approved by: Josh Wurzer, President Date: 08/01/2021



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: 16.735 mg/unit

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 41.183 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 1702.451 mg/unit

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

TOTAL CBG: 1551.153 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 90.705 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: <LOQ

Total CBDV (CBDV+0.877* CBDVa)

CANNABINOID TEST RESULTS - 08/01/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBG	0.002 / 0.006	± 3.1729	51.012	5.1012
CBGa	0.002 / 0.007	± 0.1166	3.978	0.3978
CBC	0.003 / 0.010	± 0.1278	3.087	0.3087
CBD	0.004 / 0.011	± 0.0664	1.386	0.1386
$\Delta 9$ THC	0.002 / 0.014	± 0.0415	0.588	0.0588
CBCa	0.001 / 0.015	± 0.0056	0.114	0.0114
CBDA	0.001 / 0.026	± 0.0025	0.069	0.0069
CBL	0.003 / 0.010	± 0.0032	0.068	0.0068
CBN	0.001 / 0.007	± 0.0010	0.026	0.0026
CBDV	0.002 / 0.012	N/A	<LOQ	<LOQ
$\Delta 8$ 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
SUM OF CANNABINOIDS			60.328 mg/g	6.0328%

Unit Mass: 28.461 grams per Unit

$\Delta 9$ THC per Unit	16.735 mg/unit
Total THC per Unit	16.735 mg/unit
CBD per Unit	39.447 mg/unit
Total CBD per Unit	41.183 mg/unit
Sum of Cannabinoids per Unit	1716.995 mg/unit
Total Cannabinoids per Unit	1702.451 mg/unit

DENSITY TEST RESULT

0.9487 g/mL

Tested 08/01/2021

Method: QSP 7870 - Sample Preparation

