

# Hemp Quality Assurance Testing **CERTIFICATE OF ANALYSIS**

DATE ISSUED 07/31/2023

## SAMPLE NAME: GRP 30ml Hemp Extract Natural Tincture Infused, Liquid Edible

## **CULTIVATOR / MANUFACTURER**

**Business Name:** License Number: Address:

SAMPLE DETAIL

# **DISTRIBUTOR / TESTED FOR**

Business Name: Carolina Botanical Development License Number:

Address: 131 Preamble Court Anderson SC 29621

Batch Number: PR.230724 Sample ID: 230728M065

Date Collected: 07/28/2023 Date Received: 07/28/2023 Batch Size: Sample Size: 1.0 units Unit Mass: 30 milliliters per Unit Serving Size: 1 milliliters per Serving



Scan QR code to verify authenticity of results.

# **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 55.620 mg/unit Total CBD: 1658.940 mg/unit Total Cannabinoids: 1838.790 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 =  $\Delta^9$ -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 1842.540 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^{8}$ -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) +  $(CBDV+0.877*CBDVa) + \Delta^8-THC + CBL + CBN$ 

Density: 0.9513 g/mL

#### **SAFETY ANALYSIS - SUMMARY**

 $\Delta^9$ -THC per Unit: **PASS** 

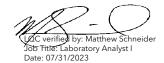
 $\Delta^9$ -THC per Serving: **PASS** 

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.

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



Approved by: Josh Wurzer Title: Chief Compliance Officer Date: 07/31/2023

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# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS



GRP 30ML HEMP EXTRACT NATURAL TINCTURE | DATE ISSUED 07/31/2023

# 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: 55.620 mg/unit

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

#### TOTAL CBD: 1658.940 mg/unit

Total CBD (CBD+0.877\*CBDa)

#### TOTAL CANNABINOIDS: 1838.790 mg/unit

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

# TOTAL CBG: 31.950 mg/unit

Total CBG (CBG+0.877\*CBGa)

#### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

# TOTAL CBC: 78.030 mg/unit

Total CBC (CBC+0.877\*CBCa)

# TOTAL CBDV: 8.310 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

#### CANNABINOID TEST RESULTS - 07/31/2023

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004/0.011	±2.0293	54.404	5.7189
CBC	0.003/0.010	±0.0838	2.601	0.2734
∆ <sup>9</sup> -THC	0.002/0.014	±0.1018	1.854	0.1949
CBG	0.002/0.006	±0.0517	1.065	0.1120
CBDa	0.001/0.026	±0.0289	1.019	0.1071
CBDV	0.002/0.012	±0.0113	0.277	0.0291
CBN	0.001/0.007	±0.0030	0.104	0.0109
CBL	0.003/0.010	±0.0035	0.094	0.0099
CBCa	0.001/0.015	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
∆ <sup>8</sup> -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
SUM OF CANNABINOIDS			61.418 mg/mL	6.4562%

#### Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving

$\Delta^9$ -THC per Unit	110 per-package limit	55.620 mg/unit	PASS
$\Delta^9$ -THC per Serving		1.854 mg/serving	PASS
Total THC per Unit		55.620 mg/unit	
Total THC per Serving		1.854 mg/serving	
CBD per Unit		1632.120 mg/unit	
CBD per Serving		54.404 mg/serving	
Total CBD per Unit		1658.940 mg/unit	
Total CBD per Serving		55.298 mg/serving	
Sum of Cannabinoids per Unit		1842.540 mg/unit	
Sum of Cannabinoids per Serving		61.418 mg/serving	
Total Cannabinoids per Unit		1838.790 mg/unit	
Total Cannabinoids per Serving		61.293 mg/serving	

#### DENSITY TEST RESULT

0.9513 g/mL

Tested 07/31/2023

Method: QSP 7870 - Sample Preparation