

SAMPLE NAME: FTH 600mg Natural Tincture

Infused, Liquid Edible

CULTIVATOR / MANUFACTURER
Business Name: Carolina Botanical Development

License Number:
Address: 131 Preamble Court
Anderson SC 29621

DISTRIBUTOR / TESTED FOR
Business Name: Frogtown Hemp

License Number:
Address:
Dahlonega, GA

SAMPLE DETAIL
Batch Number: PR.221027

Sample ID: 221028M018

Date Collected: 10/28/2022

Date Received: 10/28/2022

Batch Size:
Sample Size:
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: 29.310 mg/unit

Total CBD: 634.110 mg/unit

Sum of Cannabinoids: 704.220 mg/unit

Total Cannabinoids: 704.220 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:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

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

$$\begin{aligned} \text{Sum of Cannabinoids} = & \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ & \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ \text{Total Cannabinoids} = & (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + \\ & (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + \\ & (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \end{aligned}$$
Density: 0.9477 g/mL


SAFETY ANALYSIS - SUMMARY
 $\Delta^9\text{-THC}$ per Unit: ✔ PASS
 $\Delta^9\text{-THC}$ 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)



LQC verified by: Michael Pham
Job Title: Senior Laboratory Analyst
Date: 11/03/2022



Approved by: Josh Wurzer
Job Title: President
Date: 11/03/2022



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: 29.310 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 634.110 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 704.220 mg/unit

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

TOTAL CBG: 15.510 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 20.490 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 4.230 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/31/2022

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.7884	21.137	2.2303
Δ^9 -THC	0.002 / 0.014	±0.0536	0.977	0.1031
CBC	0.003 / 0.010	±0.0220	0.683	0.0721
CBG	0.002 / 0.006	±0.0251	0.517	0.0546
CBDV	0.002 / 0.012	±0.0058	0.141	0.0149
CBL	0.003 / 0.010	±0.0004	0.012	0.0013
CBN	0.001 / 0.007	±0.0002	0.007	0.0007
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
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			23.474 mg/mL	2.4769%

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

Δ^9 -THC per Unit	110 per-package limit	29.310 mg/unit	PASS
Δ^9 -THC per Serving		0.977 mg/serving	PASS
Total THC per Unit		29.310 mg/unit	
Total THC per Serving		0.977 mg/serving	
CBD per Unit		634.110 mg/unit	
CBD per Serving		21.137 mg/serving	
Total CBD per Unit		634.110 mg/unit	
Total CBD per Serving		21.137 mg/serving	
Sum of Cannabinoids per Unit		704.220 mg/unit	
Sum of Cannabinoids per Serving		23.474 mg/serving	
Total Cannabinoids per Unit		704.220 mg/unit	
Total Cannabinoids per Serving		23.474 mg/serving	

DENSITY TEST RESULT

0.9477 g/mL

Tested 10/31/2022

Method: QSP 7870 - Sample Preparation

NOTES

COA amended, update to order detail information.