

**SAMPLE NAME: Frogtown 1500mg Peppermint Tincture**

Infused, Liquid Edible

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Frogtown Hemp

**License Number:**
**Address:**

Dahlonega, GA

**SAMPLE DETAIL**
**Batch Number:** PR.221212

**Sample ID:** 221214P028

**Date Collected:** 12/14/2022

**Date Received:** 12/14/2022

**Batch Size:**
**Sample Size:**
**Unit Mass:** 30 grams per Unit

**Serving Size:** 1 grams per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 74.070 mg/unit

**Total CBD:** 1557.330 mg/unit

**Sum of Cannabinoids:** 1742.700 mg/unit

**Total Cannabinoids:** 1742.700 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:** 0.9505 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)

*Yasmin*  
 LQC verified by: Yasmin Kakkar  
 Job Title: Lead Laboratory Analyst  
 Date: 12/16/2022

*Josh Wurzer*  
 Approved by: Josh Wurzer  
 Job Title: President  
 Date: 12/16/2022



## 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: 74.070 mg/unit

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

### TOTAL CBD: 1557.330 mg/unit

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 1742.700 mg/unit

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

### TOTAL CBG: 39.300 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 57.150 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 12.690 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 12/16/2022

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)    |
|----------------------------|----------------|--------------------------------|--------------------|---------------|
| CBD                        | 0.004 / 0.011  | ±1.9363                        | 51.911             | 5.1911        |
| $\Delta^9$ -THC            | 0.002 / 0.014  | ±0.1355                        | 2.469              | 0.2469        |
| CBC                        | 0.003 / 0.010  | ±0.0613                        | 1.905              | 0.1905        |
| CBG                        | 0.002 / 0.006  | ±0.0635                        | 1.310              | 0.1310        |
| CBDV                       | 0.002 / 0.012  | ±0.0173                        | 0.423              | 0.0423        |
| CBL                        | 0.003 / 0.010  | ±0.0018                        | 0.048              | 0.0048        |
| CBN                        | 0.001 / 0.007  | ±0.0007                        | 0.024              | 0.0024        |
| $\Delta^8$ -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            |
| 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            |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>58.090 mg/g</b> | <b>5.809%</b> |

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

|                                 |                       |                   |      |
|---------------------------------|-----------------------|-------------------|------|
| $\Delta^9$ -THC per Unit        | 110 per-package limit | 74.070 mg/unit    | PASS |
| $\Delta^9$ -THC per Serving     |                       | 2.469 mg/serving  | PASS |
| Total THC per Unit              |                       | 74.070 mg/unit    |      |
| Total THC per Serving           |                       | 2.469 mg/serving  |      |
| CBD per Unit                    |                       | 1557.330 mg/unit  |      |
| CBD per Serving                 |                       | 51.911 mg/serving |      |
| Total CBD per Unit              |                       | 1557.330 mg/unit  |      |
| Total CBD per Serving           |                       | 51.911 mg/serving |      |
| Sum of Cannabinoids per Unit    |                       | 1742.700 mg/unit  |      |
| Sum of Cannabinoids per Serving |                       | 58.090 mg/serving |      |
| Total Cannabinoids per Unit     |                       | 1742.700 mg/unit  |      |
| Total Cannabinoids per Serving  |                       | 58.090 mg/serving |      |

## DENSITY TEST RESULT

0.9505 g/mL

Tested 12/16/2022

**Method:** QSP 7870 - Sample Preparation