

**SAMPLE NAME: 600mg Natural Tincture**

Infused, Liquid Edible

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

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

**SAMPLE DETAIL**
**Batch Number:** Lot 901103007

**Sample ID:** 241106P014

**Date Collected:** 11/06/2024

**Date Received:** 11/06/2024

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:** 30 milliliters per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 16.740 mg/unit

**Total CBD:** 649.440 mg/unit

**Sum of Cannabinoids:** 705.630 mg/unit

**Total Cannabinoids:** 704.310 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:** 1.0105 g/mL

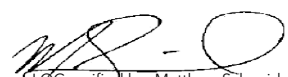
**SAFETY ANALYSIS - SUMMARY**
 $\Delta^9$ -THC per Unit: ✔ PASS

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: Matthew Schneider  
Job Title: Laboratory Analyst I  
Date: 11/09/2024



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 11/09/2024



## 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: 16.740 mg/unit

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

### TOTAL CBD: 649.440 mg/unit

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 704.310 mg/unit

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

### TOTAL CBG: 9.300 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 23.190 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 1.440 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 11/09/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.7959	21.338	2.1116
CBC	0.003 / 0.010	±0.0249	0.773	0.0765
$\Delta^9$ -THC	0.002 / 0.014	±0.0306	0.558	0.0552
CBDa	0.001 / 0.026	±0.0101	0.354	0.0350
CBG	0.002 / 0.006	±0.0150	0.310	0.0307
CBN	0.001 / 0.007	±0.0034	0.119	0.0118
CBDV	0.002 / 0.012	±0.0020	0.048	0.0048
CBL	0.003 / 0.010	±0.0008	0.021	0.0021
$\Delta^8$ -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
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>23.521 mg/mL</b>	<b>2.3277%</b>

## Unit Mass: 30 milliliters per Unit

$\Delta^9$ -THC per Unit	110 per-package limit	16.740 mg/unit	PASS
Total THC per Unit		16.740 mg/unit	
CBD per Unit		640.140 mg/unit	
Total CBD per Unit		649.440 mg/unit	
Sum of Cannabinoids per Unit		705.630 mg/unit	
Total Cannabinoids per Unit		704.310 mg/unit	

## DENSITY TEST RESULT

1.0105 g/mL
Tested 11/09/2024
<b>Method:</b> QSP 7870 - Sample Preparation

## NOTES

Sample unit mass provided by client.