

**SAMPLE NAME: Recover Tincture**

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Lonestar Farms LLC

**License Number:** 0829775

**Address:** 15004 Cavalier Canyon Dr Unit C  
Austin TX 78734

**SAMPLE DETAIL**
**Batch Number:** 3101

**Sample ID:** 221229P021

**Date Collected:** 12/29/2022

**Date Received:** 12/29/2022

**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: 45.750 mg/unit**
**Total CBD: 1154.190 mg/unit**
**Sum of Cannabinoids: 1546.530 mg/unit**
**Total Cannabinoids: 1546.530 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:

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

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

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

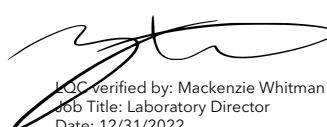
$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**Density: 0.9507 g/mL**

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.

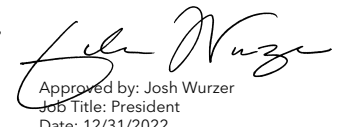
**Sample Certification:** Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

**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)



LOC verified by: Mackenzie Whitman  
Job Title: Laboratory Director  
Date: 12/31/2022



Approved by: Josh Wurzer  
Job Title: President  
Date: 12/31/2022



## 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: 45.750 mg/unit

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

### TOTAL CBD: 1154.190 mg/unit

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: 1546.530 mg/unit

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

### TOTAL CBG: 293.880 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 44.340 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 7.800 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 12/31/2022

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±1.4350	38.473	4.0468
CBG	0.002 / 0.006	±0.4751	9.796	1.0304
$\Delta^9$ -THC	0.002 / 0.014	±0.0837	1.525	0.1604
CBC	0.003 / 0.010	±0.0476	1.478	0.1555
CBDV	0.002 / 0.012	±0.0106	0.260	0.0273
CBL	0.003 / 0.010	±0.0007	0.019	0.0020
$\Delta^8$ -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
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>51.551 mg/mL</b>	<b>5.4224%</b>

## Unit Mass: 30 milliliters per Unit

$\Delta^9$ -THC per Unit	45.750 mg/unit
Total THC per Unit	45.750 mg/unit
CBD per Unit	1154.190 mg/unit
Total CBD per Unit	1154.190 mg/unit
Sum of Cannabinoids per Unit	1546.530 mg/unit
Total Cannabinoids per Unit	1546.530 mg/unit

## DENSITY TEST RESULT

0.9507 g/mL

Tested 12/31/2022

**Method:** QSP 7870 - Sample Preparation