SC Labs®

# Hemp Quality Assurance Testing
# CERTIFICATE OF ANALYSIS

**DATE ISSUED 09/15/2022**

## SAMPLE NAME: Tincture 1000mg*
Infused, Hemp

### 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:** 2111
**Sample ID:** 220914L026

**Date Collected:** 09/14/2022
**Date Received:** 09/14/2022
**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: 65.850 mg/unit**

**Total CBD: 1042.020 mg/unit**

**Sum of Cannabinoids: 1236.90 mg/unit**

**Total Cannabinoids: 1236.96 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 + 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: 0.9495 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:** 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: Yasmin Kakkar
Date: 09/15/2022

Approved by: Josh Wurzer, President
Date: 09/15/2022

## 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: 65.850 mg/unit
Total THC ($\Delta^9$-THC+0.877*THCa)

### TOTAL CBD: 1042.020 mg/unit
Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 1236.96 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta^8$-THC + CBL + CBN

### TOTAL CBG: 66.210 mg/unit
Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: 35.550 mg/unit
Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: 24.480 mg/unit
Total CBDV (CBDV+0.877*CBDVa)

### CANNABINOID TEST RESULTS - 09/15/2022

| COMPOUND | LOD/LOQ (mg/mL) | MEASUREMENT UNCERTAINTY (mg/mL) | RESULT (mg/mL) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.004 / 0.011* | *±1.2956* | 34.734 | 3.6581 |
| CBG | *0.002 / 0.006* | *±0.1070* | 2.207 | 0.2324 |
| $\Delta^9$-THC | *0.002 / 0.014* | *±0.1205* | 2.195 | 0.2312 |
| CBC | *0.003 / 0.010* | *±0.0382* | 1.185 | 0.1248 |
| CBDV | *0.002 / 0.012* | *±0.0333* | 0.816 | 0.0859 |
| $\Delta^8$-THC | *0.01 / 0.02* | *±0.002* | 0.04 | 0.004 |
| CBL | *0.003 / 0.010* | *±0.0011* | 0.030 | 0.0032 |
| CBN | *0.001 / 0.007* | *±0.0007* | 0.025 | 0.0026 |
| 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** | | | 41.23 mg/mL | 4.342% |

### Unit Mass: 30 milliliters per Unit

| | |
|---|---|
| $\Delta^9$-THC per Unit | 65.850 mg/unit |
| Total THC per Unit | 65.850 mg/unit |
| CBD per Unit | 1042.020 mg/unit |
| Total CBD per Unit | 1042.020 mg/unit |
| Sum of Cannabinoids per Unit | 1236.90 mg/unit |
| Total Cannabinoids per Unit | 1236.96 mg/unit |

### DENSITY TEST RESULT

**0.9495 g/mL**

Tested 09/15/2022

**Method:** QSP 7870 - Sample Preparation