

## **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 02/01/2023** 

SAMPLE NAME: CBS Infused Oil DS

Infused, Liquid Edible

**CULTIVATOR / MANUFACTURER** 

**Business Name:** License Number:

Address:

SAMPLE DETAIL

Batch Number: Birch Moon January

Sample ID: 230128R010

**DISTRIBUTOR / TESTED FOR** 

Business Name: Sisters Of The

Valley

License Number:

Address:

Merced CA 95348

Date Collected: 01/28/2023 Date Received: 01/28/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass: 29.6 milliliters per Unit Serving Size: 2.5 milliliters per Serving





Scan QR code to verify authenticity of results.

### **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 43.542 mg/unit

Total CBD: 457.882 mg/unit

Total Cannabinoids: 561.866 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 + Sum of Cannabinoids: 562.637 mg/unit 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: 0.9467 g/mL

### **SAFETY ANALYSIS - SUMMARY**

 $\Delta^9$ -THC per Unit:  $\bigcirc$  PASS

 $\Delta^9$ -THC per Serving:  $\bigcirc$  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  $decision\ rules\ are\ applied:\ PASS-Results\ within\ limits/specifications,\ FAIL-Results\ exceed\ limits/specifications.$ 

erified by: Mackenzie Whitman ob Title: Laboratory Director Date: 02/01/2023

Approved by: Josh Wurzer Date: 02/01/2023

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)



# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBS INFUSED OIL DS | DATE ISSUED 02/01/2023





## 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: 43.542 mg/unit

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

TOTAL CBD: 457.882 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 561.866 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

TOTAL CBG: 27.439 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 30.547 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 1.302 mg/unit
Total CBDV (CBDV+0.877\*CBDVa)

### **CANNABINOID TEST RESULTS - 02/01/2023**

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.5701	15.283	1.6143
Δ <sup>9</sup> -THC	0.002/0.014	±0.0808	1.471	0.1554
СВС	0.003 / 0.010	±0.0332	1.032	0.1090
CBG	0.002 / 0.006	±0.0450	0.927	0.0979
CBDa	0.001 / 0.026	±0.0060	0.212	0.0224
CBDV	0.002/0.012	±0.0018	0.044	0.0046
CBL	0.003 / 0.010	±0.0014	0.039	0.0041
CBGa	0.002 / 0.007	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
$\Delta^8$ -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
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			19.008 mg/mL	2.0078%

### Unit Mass: 29.6 milliliters per Unit / Serving Size: 2.5 milliliters per Serving

$\Delta^9$ -THC per Unit	110 per-package limit	43.542 mg/unit	PASS
$\Delta^9$ -THC per Serving		3.678 mg/serving	PASS
Total THC per Unit		43.542 mg/unit	
Total THC per Serving		3.678 mg/serving	
CBD per Unit		452.377 mg/unit	
CBD per Serving		38.208 mg/serving	
Total CBD per Unit		457.882 mg/unit	
Total CBD per Serving		38.673 mg/serving	
Sum of Cannabinoids per Unit		562.637 mg/unit	
Sum of Cannabinoids per Serving		47.520 mg/serving	
Total Cannabinoids per Unit		561.866 mg/unit	
Total Cannabinoids per Serving		47.457 mg/serving	

### **DENSITY TEST RESULT**

0.9467 g/mL

Tested 02/01/2023

**Method:** QSP 7870 - Sample Preparation