

**SAMPLE NAME: CBD/CBN 1 fl oz Tincture**

Infused, Liquid Edible

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Nature's Bloom CBD

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

**SAMPLE DETAIL**
**Batch Number:**
**Sample ID:** 230814R011

**Date Collected:** 08/14/2023

**Date Received:** 08/14/2023

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

**Unit Mass:** 30 grams per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 53.700 mg/unit

**Total CBD:** 1247.160 mg/unit

**Sum of Cannabinoids:** 2810.40 mg/unit

**Total Cannabinoids:** 2809.50 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:

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

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

$$\begin{aligned} \text{Sum of Cannabinoids} = & \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ & \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ \text{Total Cannabinoids} = & (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + \\ & (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + \\ & (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \end{aligned}$$
**Density:** 0.9542 g/mL

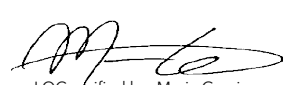
**SAFETY ANALYSIS - SUMMARY**
 $\Delta^9$ -THC per Unit: ✔ PASS

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: Maria Garcia  
Job Title: Senior Laboratory Analyst  
Date: 08/15/2023



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 08/15/2023




## 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: 53.700 mg/unit

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

### TOTAL CBD: 1247.160 mg/unit

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: 2809.50 mg/unit

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

### TOTAL CBG: 25.800 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 67.380 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 10.260 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 08/15/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBN	0.001 / 0.007	±1.3094	45.623	4.5623
CBD	0.004 / 0.011	±1.5423	41.348	4.1348
CBC	0.003 / 0.010	±0.0723	2.246	0.2246
$\Delta^9$ -THC	0.002 / 0.014	±0.0983	1.790	0.1790
$\Delta^8$ -THC	0.01 / 0.02	±0.060	1.22	0.122
CBG	0.002 / 0.006	±0.0417	0.860	0.0860
CBDV	0.002 / 0.012	±0.0140	0.342	0.0342
CBDA	0.001 / 0.026	±0.0072	0.255	0.0255
CBDVa	0.001 / 0.018	N/A	<LOQ	<LOQ
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
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>93.68 mg/g</b>	<b>9.368%</b>

## Unit Mass: 30 grams per Unit

$\Delta^9$ -THC per Unit	110 per-package limit	53.700 mg/unit	PASS
Total THC per Unit		53.700 mg/unit	
CBD per Unit		1240.440 mg/unit	
Total CBD per Unit		1247.160 mg/unit	
Sum of Cannabinoids per Unit		2810.40 mg/unit	
Total Cannabinoids per Unit		2809.50 mg/unit	

## DENSITY TEST RESULT

0.9542 g/mL

Tested 08/15/2023

**Method:** QSP 7870 - Sample Preparation