

# **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 04/12/2023** 

SAMPLE NAME: CBD Soft gel 30ct.

Infused, Solid Edible

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

**Batch Number:** A00000177 **Sample ID:** 230407R014

**DISTRIBUTOR / TESTED FOR** 

Business Name: New York Hemp Oil

License Number:

**Date Collected:** 04/07/2023 **Date Received:** 04/07/2023

Batch Size:

Sample Size: 1.0 units

**Unit Mass:** 21.27 grams per Unit **Serving Size:** 0.709 grams per Serving





Scan QR code to verify authenticity of results.

#### **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 21.589 mg/unit

Total CBD: 653.032 mg/unit

Sum of Cannabinoids: 711.524 mg/unit

Total Cannabinoids: 711.397 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 =  $\Delta^{\circ}$ -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

$$\label{eq:SumofCannabinoids} \begin{split} &Sum\ of\ Cannabinoids = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ &T\text{HCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ &T\text{otal}\ Cannabinoids} = (\Delta^9\text{-THC} + 0.877*\text{THCa}) + (\text{CBD} + 0.877*\text{CBDa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{THCV} + 0.877*\text{THCVa}) + (\text{CBC} + 0.877*\text{CBCa}) + \\ \end{split}$$

(CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

#### SAFETY ANALYSIS - SUMMARY

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

Microbiology (Plating): ND

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

Microbiology (PCR): 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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Michael Pham Job Title: Senior Laboratory Analyst Date: 04/12/2023 Approved by: Josh Wurzer

Job Title: Chief Compliance Officer

Date: 04/12/2023



# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBD SOFT GEL 30CT. | DATE ISSUED 04/12/2023





# 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: 21.589 mg/unit

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

TOTAL CBD: 653.032 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 711.397 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: 15.229 mg/unit

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND** 

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 17.080 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 2.765 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

#### **CANNABINOID TEST RESULTS - 04/10/2023**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±1.1436	30.659	3.0659
Δ <sup>9</sup> -THC	0.002 / 0.014	±0.0557	1.015	0.1015
СВС	0.003 / 0.010	±0.0259	0.803	0.0803
CBG	0.002 / 0.006	±0.0347	0.716	0.0716
CBDV	0.002 / 0.012	±0.0053	0.130	0.0130
CBDa	0.001 / 0.026	±0.0014	0.049	0.0049
CBN	0.001 / 0.007	±0.0014	0.048	0.0048
CBL	0.003 / 0.010	±0.0012	0.032	0.0032
∆ <sup>8</sup> -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
SUM OF CANNABINOIDS			33.452 mg/g	3.3452%

#### Unit Mass: 21.27 grams per Unit / Serving Size: 0.709 grams per Serving

$\Delta^9$ -THC per Unit	110 per-package limit	21.589 mg/unit	PASS	
$\Delta^9$ -THC per Serving		0.720 mg/serving	PASS	
Total THC per Unit		21.589 mg/unit		
Total THC per Serving		0.720 mg/serving		
CBD per Unit		652.117 mg/unit		
CBD per Serving	21.737 mg/serving			
Total CBD per Unit	653.032 mg/unit			
Total CBD per Serving		21.768 mg/serving		
Sum of Cannabinoids per Unit	711.524 mg/unit			
Sum of Cannabinoids per Serving 23.717 mg/serving				
Total Cannabinoids per Unit	711.397 mg/unit			
Total Cannabinoids per Serving	23.714 mg/serving			





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## **Microbiology Analysis**

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by  $3M^{\rm TM}$  Petrifilm  $^{\rm TM}$  and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with  $3M^{TM}$  Petrifilm $^{TM}$ 

#### MICROBIOLOGY TEST RESULTS (PCR) - 04/12/2023 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Bile-Tolerant Gram-Negative Bacteria		ND	
Staphylococcus aureus		ND	

#### MICROBIOLOGY TEST RESULTS (PLATING) - 04/12/2023 ND

COMPOUND	(cfu/g)
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND