

## **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 02/08/2023** 

#### SAMPLE NAME: Peanut Butter Pet Treat

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number: PB22332A99 Sample ID: 230205H002 **DISTRIBUTOR / TESTED FOR** 

Business Name: New York Hemp Oil

License Number:

Address:

**Date Collected:** 02/05/2023 **Date Received:** 02/05/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass: 99.2 grams per Unit

Serving Size: 3.3067 grams per Serving







Scan QR code to verify authenticity of results.

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

Total THC: 3.869 mg/unit

Total CBD: 154.058 mg/unit

Sum of Cannabinoids: 163.581 mg/unit

Total Cannabinoids: 163.582 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))

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) +

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

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.

LQC verified by: Michael Pham Job Title: Senior Laboratory Analyst Date: 02/08/2023 Approved by: Josh Wurzer

Job Title: President

Date: 02/08/2023

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









# 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: 3.869 mg/unit Total THC (Δ<sup>9</sup>-THC+0.877\*THCa)

TOTAL CBD: 154.058 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 163.582 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: 1.885 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 3.770 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: <LOQ
Total CBDV (CBDV+0.877\*CBDVa)

#### **CANNABINOID TEST RESULTS - 02/08/2023**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.0579	1.553	0.1553
Δ <sup>9</sup> -THC	0.002 / 0.014	±0.0021	0.039	0.0039
СВС	0.003 / 0.010	±0.0012	0.038	0.0038
CBG	0.002 / 0.006	±0.0009	0.019	0.0019
CBDV	0.002 / 0.012	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
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
CBL	0.003 / 0.010	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			1.649 mg/g	0.1649%

#### Unit Mass: 99.2 grams per Unit / Serving Size: 3.3067 grams per Serving

$\Delta^9$ -THC per Unit	3.869 mg/unit
$\Delta^9$ -THC per Serving	0.129 mg/serving
Total THC per Unit	3.869 mg/unit
Total THC per Serving	0.129 mg/serving
CBD per Unit	154.058 mg/unit
CBD per Serving	5.135 mg/serving
Total CBD per Unit	154.058 mg/unit
Total CBD per Serving	5.135 mg/serving
Sum of Cannabinoids per Unit	163.581 mg/unit
Sum of Cannabinoids per Serving	5.453 mg/serving
Total Cannabinoids per Unit	163.582 mg/unit
Total Cannabinoids per Serving	5.453 mg/serving