Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 08/19/2020

SAMPLE NAME: 200729-600.CBG

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR

Business Name: New York Hemp Oil
License Number: n/a
Address:

SAMPLE DETAIL

Batch Number:
Sample ID: 200817S032

Date Collected: 08/17/2020
Date Received: 08/17/2020
Batch Size:
Sample Size: 25.0 Gram(s)
Unit Mass: 25 Grams per Unit
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 5.475 mg/unit

Total CBD: 24.625 mg/unit

Sum of Cannabinoids: 590.925 mg/unit

Total Cannabinoids: 590.575 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 = Δ9THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ9THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8THC + CBL + CBN
Total Cannabinoids = (Δ9THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ8THC + CBL + CBN

Moisture: NT
Density: NT
Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Δ9THC per Unit: PASS
Foreign Material: NT
Water Activity: NT
Vitamin E Acetate: NT

Pesticides: NT
Mycotoxins: NT
Residual Solvents: NT

Heavy Metals: NT
Microbial Impurities (PCR): PASS
Microbial Impurities (Plating): NT

For quality assurance purposes. Not a Pre-Harvest 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 16 Effect Date January 16, 2019. Authority: Section 26013, 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: Randi Vuong
Date: 08/19/2020

Approved by: Josh Wurzer, President
Date: 08/19/2020

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: 5.475 mg/unit
Total THC (Δ9THC+0.877*THCa)

TOTAL CBD: 24.625 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 590.575 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8THC + CBL + CBN

TOTAL CBG: 540.700 mg/unit
Total CBG (CBG+0.877*CBGa)

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

TOTAL CBC: 18.675 mg/unit
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/18/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBG	*0.002 / 0.005*	*±1.3390*	21.528	2.1528
CBD	*0.004 / 0.011*	*±0.0472*	0.985	0.0985
CBC	*0.003 / 0.010*	*±0.0309*	0.747	0.0747
Δ9THC	*0.002 / 0.005*	*±0.0154*	0.219	0.0219
CBGa	*0.002 / 0.006*	*±0.0033*	0.114	0.0114
CBL	*0.003 / 0.008*	*±0.0015*	0.032	0.0032
CBN	*0.001 / 0.004*	*±0.0004*	0.012	0.0012
Δ8THC	*0.01 / 0.02*	*N/A*	ND	ND
THCa	*0.001 / 0.002*	*N/A*	ND	ND
THCV	*0.002 / 0.008*	*N/A*	ND	ND
THCVa	*0.002 / 0.005*	*N/A*	ND	ND
CBDa	*0.001 / 0.003*	*N/A*	ND	ND
CBDV	*0.002 / 0.007*	*N/A*	ND	ND
CBDVa	*0.001 / 0.003*	*N/A*	ND	ND
CBCa	*0.001 / 0.004*	*N/A*	ND	ND
SUM OF CANNABINOIDS			23.637 mg/g	2.3637%

Unit Mass: 25 Grams per Unit

Δ9THC per Unit	*1000.0 per-package limit*	5.475 mg/unit	PASS
Total THC per Unit		5.475 mg/unit	
CBD per Unit		24.625 mg/unit	
Total CBD per Unit		24.625 mg/unit	
Sum of Cannabinoids per Unit		590.925 mg/unit	
Total Cannabinoids per Unit		590.575 mg/unit	

MOISTURE TEST RESULT	DENSITY TEST RESULT	VISCOSITY TEST RESULT
Not Tested	Not Tested	Not Tested

Microbial Impurities Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

Method: QSP - (1221) Analysis of Microbial Impurities

MICROBIAL IMPURITIES TEST RESULTS (PCR) - 08/19/2020 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing *Escherichia coli*	*Detect*	ND	PASS
Salmonella spp.	*Detect*	ND	PASS
Aspergillus fumigatus	*Detect*	ND	PASS
Aspergillus flavus	*Detect*	ND	PASS
Aspergillus niger	*Detect*	ND	PASS
Aspergillus terreus	*Detect*	ND	PASS

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbial impurities.

Method: QSP - (6794) Plating with 3M™ Petrifilm™

MICROBIAL IMPURITIES TEST RESULTS (PLATING)

COMPOUND	RESULT (cfu/g)
Aerobic Plate Count	NT
Total Yeast and Mold	NT