

SAMPLE NAME: SG191017

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR

Business Name: New York Hemp Oil

License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 201221U016

Date Collected: 12/21/2020

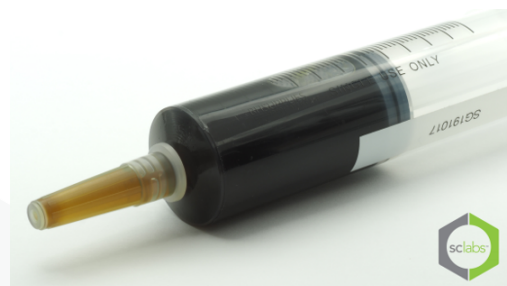
Date Received: 12/21/2020

Batch Size:

Sample Size: 35.0 units

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **1.207 mg/mL**

Total CBD: **39.187 mg/mL**

Sum of Cannabinoids: **43.808 mg/mL**

Total Cannabinoids: **43.786 mg/mL**

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 = $\Delta 9\text{THC} + (\text{THCa} \times 0.877)$

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

Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$

$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \times \text{THCa}) + (\text{CBD} + 0.877 \times \text{CBDa}) +$

$(\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVa}) + (\text{CBC} + 0.877 \times \text{CBCa}) +$

$(\text{CBDV} + 0.877 \times \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: NT

Density: **0.9497 g/mL**

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Pesticides: NT

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: NT

Microbial Impurities (PCR): **PASS**

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: 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)

Nikki Cain
LQC verified by: Nikki Cain
Date: 12/24/2020

Josh Wurzer
Approved by: Josh Wurzer, President
Date: 12/24/2020

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: 1.207 mg/mL

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

TOTAL CBD: 39.187 mg/mL

Total CBD (CBD + 0.877*CBDA)

TOTAL CANNABINOIDS: 43.786 mg/mL

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

TOTAL CBG: 0.548 mg/mL

Total CBG (CBG + 0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV + 0.877*THCVa)

TOTAL CBC: 2.349 mg/mL

Total CBC (CBC + 0.877*CBCa)

TOTAL CBDV: 0.403 mg/mL

Total CBDV (CBDV + 0.877*CBDVa)

CANNABINOID TEST RESULTS - 12/24/2020

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	± 1.8706	39.052	4.1120
CBC	0.003 / 0.010	± 0.0967	2.335	0.2459
$\Delta 9$ THC	0.002 / 0.014	± 0.0851	1.207	0.1271
CBG	0.002 / 0.006	± 0.0335	0.538	0.0566
CBDV	0.002 / 0.012	± 0.0211	0.403	0.0424
CBDA	0.001 / 0.026	± 0.0056	0.154	0.0162
CBL	0.003 / 0.010	± 0.0027	0.058	0.0061
CBN	0.001 / 0.007	± 0.0013	0.034	0.0036
CBCa	0.001 / 0.015	± 0.0008	0.016	0.0017
CBGa	0.002 / 0.007	± 0.0003	0.011	0.0012
$\Delta 8$ 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
SUM OF CANNABINOIDS			43.808 mg/mL	4.6128%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

0.9497 g/mL

Tested 12/24/2020

Method: QSP 7870 - Sample Preparation

VISCOSITY TEST RESULT

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) - 12/24/2020 ✓ PASS

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

