

Test Certificate



Certificate ID: **84173**

Received: **7/8/20**

Scan QR Code
for authenticity



Client Sample ID: **2019Sourspacecandy**

Lot Number: **6152020MBHCSSCENXTRCT**

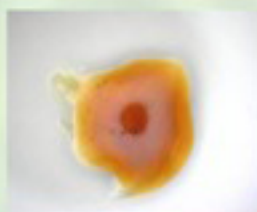
Matrix: **Tincture/Infused Oil - Coconut Oil**

Authorization:

Signature:

Date:

7/17/2020



The data contained within this report was collected in accordance with the requirements of ISO/IEC 17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: LCH

Test Date: 7/9/2020

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

84173-CN

ID	Weight %	Concentration (mg/g)	
D9-THC	2.34	23.4	
THCV	ND	ND	
CBD	61.2	612	
CBDV	0.511	5.11	
CBG	1.08	10.8	
CBC	2.89	28.9	
CBN	<LOQ	<LOQ	
THCA	ND	ND	
CBDA	0.147	1.47	
CBGA	ND	ND	
D8-THC	ND	ND	
exo-THC	ND	ND	
Total	68.2	682	0% Cannabinoids (wt%) 61.2%
Max THC	2.34	23.4	
Max CBD	61.3	613	

Ratio of Total CBD to THC 26.2:1

Limit of Quantitation (LOQ) = 0.105 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is one third of LOQ.

EA: Elemental Analysis [WI-10-13]

Analyst: CJS

Test Date: 7/14/2020

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

84173-EA

Symbol	Metal	Conc. ¹ (µg/kg)	RL (µg/kg)	Limits ² (µg/kg)	Status
Al	Aluminum	3,550	50	-	
As	Arsenic	ND	50	1,500	PASS
Cd	Cadmium	ND	50	500	PASS
Ca	Calcium	56,200	500	-	
Cr	Chromium	ND	50	1,100,000	PASS
Co	Cobalt	ND	50	5,000	PASS
Cu	Copper	215	50	300,000	PASS
Fe	Iron	763	50	-	
Pb	Lead	80.0	50	500	PASS
Mg	Magnesium	42,800	50	-	
Mn	Manganese	2,130	50	-	
Hg	Mercury	ND	50	3,000	PASS
Mo	Molybdenum	ND	50	300,000	PASS
Ni	Nickel	ND	50	20,000	PASS
P	Phosphorus	ND	500	-	
K	Potassium	ND	500	-	
Se	Selenium	ND	50	-	
Ag	Silver	ND	50	15,000	PASS
S	Sulfur	1,980	500	-	
Sn	Tin	ND	500	600,000	PASS
Zn	Zinc	2,500	50	-	

1) ND = None detected to the Method Detection Limit (MDL)

2) USP recommended maximum daily limits for oral drug product.

MB1: Microbiological Contaminants [WI-10-26]

Analyst: SJE

Test Date: 7/17/2020

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

84173-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<1,000	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<1,000	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopocia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.

TP: Terpenes Profile [W1-10-08]

Analyst: SJE

Test Date: 7/13/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

84173-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0058	58.4	
camphene	79-92-5	<RL	<RL	
myrcene	123-36-3	0.0471	471	
beta-pinene	127-91-3	0.0048	48.3	
3-carene	13466-78-9	0.0071	70.6	
alpha-terpinene	99-86-5	0.0047	46.5	
Ocimene-1	-	0.0005	5.25	
limonene	138-86-3	0.0168	168	
p-cymene	99-87-6	0.0023	22.8	
Ocimene-2	-	0.0032	32.4	
eucalyptol	470-82-6	0.0018	18.4	
gamma-terpinene	99-85-4	0.0032	32.4	
terpinolene	586-62-9	0.0181	181	
linalool	78-70-6	0.0441	441	
isopulegol	89-79-2	0.0022	21.6	
beta-caryophyllene	87-44-5	0.147	1,470	
humulene	6753-98-6	0.0473	473	

Total Terpene: 0.4 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

VC: Analysis of Volatile Organic Compounds [WI-10-07]

Analyst: SJE

Test Date: 7/10/2020

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

84173-VC

Compound	CAS	Amount ¹	Limit ²	RL	Status
Propane	74-98-6	ND	1,000 ppm	100	PASS
Isobutane	75-28-5	ND	1,000 ppm	100	PASS
Butane	106-97-8	ND	1,000 ppm	100	PASS
Methanol	67-56-1	ND	3,000 ppm	100	PASS
Ethanol	64-17-5	1,860 ppm	5,000 ppm	100	PASS
Acetone	67-64-1	ND	5,000 ppm	100	PASS
Isopropanol	67-63-0	ND	5,000 ppm	100	PASS
Acetonitrile	75-05-8	ND	410 ppm	100	PASS
Hexane	110-54-3	ND	290 ppm	100	PASS
Heptane	142-82-5	ND	5,000 ppm	100	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

(*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

END OF REPORT