

Certificate of Analysis

All Organica CBD products come with a Certificate of Analysis

Tests performed:

1. Cannabinoid profile
2. Terpene profile (*organic compounds produced*)
3. Microbiological Contaminants
4. Heavy Metals
5. Pesticides
6. Mold
7. Aflatoxin (*poisonous and cancer-causing chemicals that are produced by certain molds*)
8. Plant Growth Regulators

500mg Unflavored MCT Oil

Sourced from Right Coast Agriculture

mcr
LABS



Test report: 90220-MC-500mg

Client:	<input type="text"/>
Client contact:	
Strain:	unknown
Sample Type:	MIP
Batch:	NA
Analyst:	PS/GF
Authorization:	JW
Product ID:	S19-09256
Receipt Date:	3/26/2019
Test Date:	03/28/2019

Cannabinoid Profile per Serving

Serving Size 30 mL, 27450mg		
Cannabinoid	mg per serving	Weight %
THC	22.51mg	0.1%
CBD	561.90mg	2.0%
CBN	Not detected	Not detected
THCa	Not detected	Not detected
CBDa	4.12mg	0.0%
Δ-8 THC	Not detected	Not detected
CBGa	Not detected	Not detected
THCv	Not detected	Not detected
CBDv	2.75mg	0.0%
CBC	27.72mg	0.1%
Total	619.00mg	2.3%
Max THC	22.51mg	0.1%
Max CBD	565.51mg	2.1%



1000mg Unflavored MCT Oil

Sourced from Right Coast Agriculture

mcr
LABS



Test report: 90221-MC-1000mg

Client:	
Client contact:	
Strain:	unknown
Sample Type:	MIP
Batch:	NA
Analyst:	PS/GF
Authorization:	JW
Product ID:	S19-09257
Receipt Date:	3/26/2019
Test Date:	03/28/2019

Cannabinoid Profile per Serving

Serving Size	30 mL, 27270mg	
Cannabinoid	mg per serving	Weight %
THC	44.72mg	0.2%
CBD	1,085.35mg	4.0%
CBN	Not detected	Not detected
THCa	Not detected	Not detected
CBDa	9.00mg	0.0%
Δ-8 THC	Not detected	Not detected
CBGa	Not detected	Not detected
THCv	Not detected	Not detected
CBDv	6.82mg	0.0%
CBC	51.81mg	0.2%
Total	1,197.70mg	4.4%
Max THC	44.72mg	0.2%
Max CBD	1,093.23mg	4.0%



1800mg Unflavored MCT Oil

Sourced from Right Coast Agriculture



Test report: 90222-MC-1800mg

Client:	
Client contact:	
Strain:	unknown
Sample Type:	MIP
Batch:	NA
Analyst:	PS/GF
Authorization:	JW
Product ID:	519-09258
Receipt Date:	3/26/2019
Test Date:	03/28/2019

Cannabinoid Profile per Serving

Serving Size	30 mL, 27180mg	
Cannabinoid	mg per serving	Weight %
THC	76.65mg	0.3%
CBD	1,818.34mg	6.7%
CBN	Not detected	Not detected
THCa	Not detected	Not detected
CBDa	14.95mg	0.1%
Δ-8 THC	Not detected	Not detected
CBGa	Not detected	Not detected
THCv	Not detected	Not detected
CBDv	8.97mg	0.0%
CBC	88.88mg	0.3%
Total	2,007.79mg	7.4%
Max THC	76.65mg	0.3%
Max CBD	1,831.42mg	6.7%



Cannabinoid Terpene Test

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Test report: FSE-190324

Client:	
Client contact:	
Strain:	unknown
Sample Type:	Concentrate
Batch:	NA
Analyst:	CD/GF/PS
Authorization:	JW
Product ID:	S19-09250
Receipt Date:	3/26/2019
Test Date:	03/28/2019

Cannabinoid Profile

Cannabinoid	%
THC	2.4%
CBD	70%
CBN	Not detected
THCa	Not detected
CBDa	Not detected
Δ-8 THC	Not detected
CBGa	Not detected
THCv	Not detected
CBDv	0.4%
CBC	3%
Total Cannabinoids	75.80%
Max THC	2.40%
Max CBD	70.00%

Percentage data represents weight percentage of sample as received by MCR Labs.

THCa is converted to THC by heat. To find the maximum theoretical amount of THC in a sample, we add the amount of THC present in the sample to the amount of THC that can be created from THCa by the formula:

$$\text{Max THC} = \text{THC} + \text{THCa} * 0.877$$

The maximum theoretical amount of CBD in a sample is calculated from CBD and CBDa in a similar fashion.

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Terpene Profile

Terpene	Test Results
-Pinene	Not detected
Camphene	Not detected
-Myrcene	0.03%
-Pinene	Not detected
-3-Carene	Not detected
-Terpinene	Not detected
Ocimene	Not detected
-Limonene	0.03%
-Cymene	0.01%
-Ocimene	Not detected
Eucalyptol	Not detected
-Terpinene	Not detected
Terpinolene	Not detected
Linalool	0.02%
Isopulegol	0.02%
Geraniol	Not detected
-Caryophyllene	0.03%
-Humulene	0.02%
Nerolidol 1	Not detected
Nerolidol 2	0.02%
Guaiol	Not detected
Caryophyllene Oxide	0.04%
-Bisabolol	Not detected
Total	0.22%

Total Analytes | 1,465.42%

Analytical Test Report

Client:	Final Report S1904872 Rev.01.00	Laboratory:
	Report Date: 25 FEBRUARY 2019	

Sample ID #	Sample Name	Batch	Matrix	Date Received	Date Tested	Serving size weight
S19-04872	1000mg Tincture Lot# A422	N/A	MIP	14 February 2019	16-24 February 2019	N/A

The test results presented in this report are accurate, complete, and compliant with our labs quality control criteria.

Requested Testing:

Test	Code	Procedure	Analytes Tested
Microbiological Screen	MB	TM-0006	Bacterial (Total Aerobic, Total Coliform, Bile-Tolerant Gram Negative), Yeast and Mold, Pathogenic (E. coli, Salmonella)
Mycotoxin Screen	MY	TM-0013	Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin A
Heavy Metals Screen	HM	TM-0008	Arsenic (As), Cadmium (Cd), Lead (Pb), Mercury (Hg)
Volatile Organics Screen	VC	TM-0007	Ethanol, Propane, Isobutane, N-butane, Hexane
Pesticides Screen	PS	TM-0009	Bifenazate, Bifenthrin, Cyfluthrin, Etoxazole, Imazalil, Imidacloprid, Myclobutanil, Spiromesifen, Trifloxystrobin

Microbiological Screen [TM-0006]

Analyst: CD

Test Date: 16-19 Feb 19

The sample was analyzed for microbiological contaminants via an automated Most Probable Number (MPN) methodology with cultured enrichments.

Test ID	Test Analysis	Results	Unit	Limits
19-04872-AC	Total Viable Aerobic Bacteria	<100	CFU/g	10 ⁵ CFU/g
19-04872-YM	Total Yeast and Mold	<100	CFU/g	10 ⁴ CFU/g
19-04872-CC	Total Coliforms	<100	CFU/g	10 ³ CFU/g
19-04872-EB	Total Bile-Tolerant Gram Negative Bacteria	<100	CFU/g	10 ³ CFU/g

Note: CFU = colony forming unit. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

Pathogenic Bacterial Screen TM-0006]

Analyst: VB

Test Date: 20 Feb 19

The sample was analyzed for pathogenic bacterial contamination via an automated Enzyme Linked Fluorescent Assay (ELFA).

Test ID	Test Analysis	Result	Units	Limits
19-04872-ECPT	<i>E. coli</i> (O157)	Negative	N/A	Not Detected in 1 g
19-04872-SPT	<i>Salmonella</i>	Negative	N/A	Not Detected in 1 g

Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6. NT = Not tested.

Mycotoxin Screen [TM-0013]*Analyst: RC/JW**Test Date: 18 Feb 19*

The sample was analyzed via Liquid Chromatography - Tandem Mass Spectrometry (LC-MS/MS). The collected data was compared to data collected from analytical reference standards at known concentrations.

Test ID	Test Analysis	Result	LOD (ppb)	Limits (ppb)
19-04872-MY	<i>Mycotoxin</i>	Negative	20	20

Note: ND = Not Detected; LOD = Limit of Detection; ppb = part per billion. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

Heavy Metals Screen [TM-0008]*Analyst: WS**Test Date: 19 Feb 19*

The sample was analyzed via Inductively Coupled Plasma Mass Spectrometry. The collected data was compared to data collected from certified analytical reference standards at known concentrations.

Test ID	Test Analysis	Result, ppb	LOD ppb	LOQ ppb	Limits ppb
19-04872-HM	Arsenic	ND	28.5	86.2	200
19-04872-HM	Cadmium	ND	24.7	74.8	200
19-04872-HM	Mercury	ND	18.3	55.5	100
19-04872-HM	Lead	BQL	15.4	46.8	500

Note: ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; BQL = Below Quantitation Limit; ppb = part per billion. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 4.

VC Screen [TM-0007] *Analyst: VB/JE* *Test Date: 24 Feb 19*

The sample was analyzed via Gas Chromatography – Flame Ionization Detection with Headspace Autosampler. The collected data was compared to data collected from certified analytical reference standards at known concentrations.

Test ID	Analyte	Result, ppm	LOD	LOQ	Limits, ppm
19-04872-VC	Propane	ND	12	40	12
19-04872-VC	Isobutane	ND	7	25	12
19-04872-VC	n-Butane	ND	9	32	12
19-04872-VC	Ethanol	ND	376.5	1255	5000
19-04872-VC	Hexane	ND	1.8	6	290

Note: ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; BQL = Below Quantitation Limit; ppm = part per million. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 7. The uncertainty budget for ethanol is 0.15 ppm; propane is 0.12 ppm; isobutane is 0.11 ppm; n-Butane is 0.10 ppm.

Pesticides Screen [TM-0009] *Analyst: RC/JW* *Test Date: 18 Feb 19*

The sample was analyzed via Liquid Chromatography - Tandem Mass Spectrometry (LC-MS/MS). The collected data was compared to data collected from analytical reference standards at known concentrations.

Test Analysis	Result, ppb	LOD ppb	LOQ ppb	Limits ppb
Bifenazate	ND	250	825	10
Bifenthrin	ND	160	528	10
Cyfluthrin	ND	3000	9900	10
Etoxazole	ND	240	792	10
Imazalil	ND	20	66	10
Imidacloprid	ND	10	33	10
Myclobutanil	ND	20	66	10
Spiromesifen	ND	100	330	10
Trifloxystrobin	ND	40	132	10

Note: ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppb = part per billion; N/A = not available. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5.