

December 23, 2019

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 510570
Sample No. 1041138

SAMPLE INFORMATION

Description HW021219C-2
Category (Type) Edible
Received December 20, 2019

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)
Method MF12D012
Analysis Date December 20, 2019 to December 23, 2019

Analyte	mg/g	%	mg/ml	Status
Δ8 THC	ND	ND	ND	-
Δ9 THC	<LOQ (0.80)	<LOQ (0.080)	0.78	-
Δ9 THCA	ND	ND	ND	-
CBD	21.09	2.109	20.48	-
CBDA	2.48	0.248	2.41	-
CBC	1.49	0.149	1.44	-
CBDV	ND	ND	ND	-
CBG	ND	ND	ND	-
CBGA	ND	ND	ND	-
CBN	ND	ND	ND	-
Total THC	<LOQ (0.80)	<LOQ (0.080)	0.78	-
Total CBD	23.27	2.327	22.59	-
Total Cannabinoids	25.86	2.586	25.11	-
Total Active Cannabinoids	25.55	2.555	24.81	-
Label Claims	N/P			
g/ml Conversion Factor	0.9711			

Reported by
Anresco, Inc.



Eric Tam
Senior Chemist

December 23, 2019

Limit of Quantitation: 1.0 mg/g
Limit of Detection: 0.4 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection

Certificate of Analysis

Sunsoil

Sample Name:	HW021219C-2	Eurofins Sample:	9126790
Project ID	SUNSOIL-20191220-0007	Receipt Date	20-Dec-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	20-Dec-2019
		Date Started	24-Dec-2019
		Online Order	15701-12BE1E38

Analysis	Result	Result per Serving
Elements by ICP Mass Spectrometry		
Arsenic	<10.0 ppb	
Cadmium	<5.00 ppb	
Lead	<5.00 ppb	
Mercury	<5.00 ppb	

Method References

Testing Location

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - Director

Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375



2918.01

These results apply to the sample as received and only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

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Sample Serving Size		Login Date	20-Dec-2019
		Date Started	24-Dec-2019
		Online Order	15701-12BE1E38

Analysis	Result	Result per Serving
Aerobic Plate Count		
Standard Plate Count	<10 CFU/mL	

Method References	Testing Location
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Aerobic Plate Count (APC)	EML New Berlin
FDA BAM Ch. 3	
AOAC 966.23	
CMMEF Ch. 8	

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Madison	Edward Ladwig - Director
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Sample Serving Size		Login Date	20-Dec-2019
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		Online Order	15701-12BE1E38

Analysis	Result	Result per Serving
Yeast and Mold Plate Count		
Yeast Plate Count	<10 CFU/mL	
Mold Plate Count	<10 CFU/mL	

Method References	Testing Location
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Yeast and Mold Plate Count (YM_SPRD)	EML New Berlin
Compendium of Methods for the Microbiological Examination of Foods, Yeasts and Molds, 4th Edition, Chapter 20, 2001, (Modified)	

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Madison	Edward Ladwig - Director
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Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
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Sample Serving Size		Login Date	20-Dec-2019
		Date Started	24-Dec-2019
		Online Order	15701-12BE1E38

Analysis	Result	Result per Serving
E.coli and Coliforms (Petrifilm)		
Total coliforms	<10 CFU/mL	
Escherichia Coli	<10 CFU/mL	

Method References	Testing Location
E.coli and Coliforms (Petrifilm) (ECCOLIPET) AOAC 991.14	EML New Berlin

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison Eurofins Food Chemistry Testing US, Inc. 3301 Kinsman Blvd Madison WI 53704 800-675-8375	Edward Ladwig - Director

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PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	20-Dec-2019
		Date Started	24-Dec-2019
		Online Order	15701-12BE1E38
Analysis		Result	Result per Serving
Salmonella BAM			
Salmonella		Negative /25 mL	

Method References

Testing Location

Salmonella BAM (SALA)

Food Integ. Innovation-Madison NE

Bacteriological Analytical Manual, Chapter 5, 8th Edition, 2006. Food and Drug Administration, AOAC International: Gaithersburg, Maryland. Modified.

Testing Location(s)

Released on Behalf of Eurofins by

Food Integ. Innovation-Madison NE

Shannon Jacoby - Business Unit Manager

Eurofins Food Chemistry Testing US, Inc.
2102 Wright Street
Madison WI 53704
800-675-8375

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March 16, 2020

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 512189
Sample No. 1046180

SAMPLE INFORMATION

Description HW021219C
Category (Type) Edible
Received March 10, 2020

ANALYTICAL RESULTS

Analysis Date March 10, 2020 to March 16, 2020

Analyte	Method	LOD / LOQ	Finding	Units
Glyphosate	Anresco MF 2P030	2/5	None Detected	ppb
AMPA	Anresco MF 2P030	2/5	None Detected	ppb

Reported by
Anresco, Inc.




Cathy Cheng
Analyst

March 16, 2020



CERTIFICATE OF ANALYSIS

CINNAMON - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot: 36518900
Bulk Batch Number: HW021219C
Manufacture Date: December 2019
Best By Date: December 2021
Strength: 20mg CBD per milliliter (ml) / 1,200mg CBD per 60ml (2oz) bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (oil potency)</u>	<u>% weight</u>
CBD	21.09	20.03	2.109
CBDV	<0.4	<0.38	<0.04
CBDa	2.48	2.36	0.248
CBG	<0.4	<0.38	<0.04
CBGa	<0.4	<0.38	<0.04
CBC	1.49	1.42	0.149
CBN	<0.4	<0.38	<0.04
Δ^9 -THC	<0.8	<0.76	<0.08
THCa	<0.4	<0.38	<0.04
Total THC	<0.8	<0.76	<0.08
Total CBD	23.27	22.10	2.327
Total Cannabinoids	25.86	24.56	2.586

**This product contains less than 0.3% THC per hemp regulations*

Sunsoil tests each batch of oil at three third-party ISO accredited laboratories to ensure product quality and potency. The information provided above is derived from said third-party lab results and shall be considered effective only for the lot with which the information is being provided. In addition to Cannabinoid profile Sunsoil regularly tests for terpenes, residual solvents, pesticides, heavy metals, and microbials to ensure pureness and quality of raw material inputs – representative results can be found on our website. ND indicates "None Detected". <LOQ indicates "Below Limit of Quantification".

• MADE IN VERMONT •



CERTIFICATE OF ANALYSIS

CINNAMON- FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 36518900
Batch Number: HW021219C
Manufacture Date: December 2019
Best By Date: December 2021
Strength: 20mg CBD per milliliter (ml) / 1,200mg CBD per 60ml (2 oz) bottle

Heavy Metals	Pass/Fail	Specification
Arsenic	Pass	USP <2232>
Cadmium	Pass	USP <2232>
Lead	Pass	USP <2232>
Mercury	Pass	USP <2232>

Microbiological Testing	Pass/Fail	Specification
Aerobic Plate Count	Pass	USP <2023>
Yeast and Mold	Pass	USP <2023>
E.coli	Pass	Not Detected
Salmonella	Pass	Not Detected

Glyphosate Testing	Pass/Fail	Specification
Glyphosate Testing	Pass	<10 PPB

Sunsoil tests each batch of oil at three third-party ISO accredited laboratories to ensure product quality and potency. The information provided above is derived from said third-party lab results and shall be considered effective only for the lot with which the information is being provided. In addition to Cannabinoid profile, heavy metals and microbial contaminants, Sunsoil regularly tests for terpenes, residual solvents, and pesticides to ensure pureness and quality of raw material inputs – representative results can be found on our website. ND indicates "None Detected". <LOQ indicates "Below Limit of Quantification".

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