

Certificate of Analysis

Sunsoil

Sample Name:	HW291019D-CIT	Eurofins Sample:	9080861
Project ID	SUNSOIL-20191206-0002	Receipt Date	09-Dec-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	06-Dec-2019
		Date Started	09-Dec-2019
		Online Order	15701-12ABC44F

Analysis

Result

Industrial Hemp Cannabinoid Profile

CBDVA	<0.0250 mg/g
CBDVA	<0.00250 %
CBDV	0.0623 mg/g
CBDV	0.00623 %
CBDA	0.179 %
CBDA	1.79 mg/g
CBGA	0.0145 %
CBGA	0.145 mg/g
CBG	0.187 mg/g
CBG	0.0187 %
CBD	10.9 mg/g
CBD	1.09 %
THCV	<0.00250 %
THCV	<0.0250 mg/g
CBN	<0.0250 mg/g
CBN	<0.00250 %
Delta 9-THC	0.467 mg/g
Delta 9-THC	0.0467 %
Delta 8-THC	<0.0500 mg/g
Delta 8-THC	<0.00500 %
THCA	<0.0250 mg/g
THCA	<0.00250 %
CBC	0.0753 %
CBC	0.753 mg/g
Total Cannabinoids	1.43 %
Total Cannabinoids	14.3 mg/g
Total THC (THC + (THCA x 0.877))	0.0467 %
Total THC (THC + (THCA x 0.877))	0.467 mg/g
Total CBD (CBD + (CBDA x 0.877))	1.25 %
Total CBD (CBD + (CBDA x 0.877))	12.5 mg/g

Method References

Testing Location

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

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Analysis	Result
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
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Elements by ICP Mass Spectrometry (ICP_MS_S)	Food Integrity Innovation-Madison
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Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).
 Pequette, 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
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Food Integrity Innovation-Madison	Edward Ladwig - Director
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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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Analysis

Result

Aerobic Plate Count

Standard Plate Count

<10 CFU/mL

Method References

Testing Location

Aerobic Plate Count (APC)

EML New Berlin

FDA BAM Ch. 3

AOAC 966.23

CMMEF Ch. 8

Testing Location(s)

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Food Integrity Innovation-Madison

Edward Ladwig - Director

Eurofins Food Chemistry Testing US, Inc.

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		Online Order	15701-12ABC44F

Analysis	Result
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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3301 Kinsman Blvd
Madison WI 53704
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Analysis	Result
E.coli and Coliforms (Petrifilm)	
Total coliforms	<10 CFU/Sponge
Escherichia Coli	<10 CFU/Sponge

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

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
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		Online Order	15701-12ABC44F

Analysis	Result
Salmonella BAM	
Salmonella	Negative /25 mL

Method References	Testing Location
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Salmonella BAM (SALA)	Food Integ. Innovation-Madison NE
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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
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Food Integ. Innovation-Madison NE	Shannon Jacoby - Business Unit Manager
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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. 1046176

SAMPLE INFORMATION

Description HW291019D
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



SUNSOIL®

CERTIFICATE OF ANALYSIS

Citrus - FULL SPECTRUM HEMP EXTRACT – 10MG CBD

Bottle Lot Number: 36458900
Bulk Batch Number: HW291019D
Manufacture Date: October 2019
Best By Date: October 2021
Strength: 10mg CBD per milliliter (ml) / 600mg CBD per 60ml (2oz) bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (oil potency)</u>	<u>% weight</u>
CBD	10.9	10.32	1.09
CBDV	0.0623	0.06	0.00623
CBDa	1.79	1.69	0.179
CBG	0.187	0.18	0.0187
CBGa	0.145	0.14	0.0145
CBC	0.753	0.71	0.0753
CBN	<0.0250	<0.02	<0.00250
Δ ⁹ -THC	0.467	0.44	0.0467
THCa	<0.0250	<0.02	<0.00250
Total THC	0.467	0.44	0.0467
Total CBD	12.5	11.83	1.25
Total Cannabinoids	14.3	13.53	1.43

**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 •

180 Battery Street, Suite 250, Burlington, VT 05401 • info@sunsoil.com



SUNSOIL®

CERTIFICATE OF ANALYSIS

CITRUS- FULL SPECTRUM HEMP EXTRACT – 10MG CBD

Bottle Lot Number: 36458900
Batch Number: HW291019D
Manufacture Date: October 2019
Best By Date: October 2021
Strength: 10mg CBD per milliliter (ml) / 600mg CBD per 60ml (2oz) 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

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