

March 25, 2020

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 512433
Sample No. 1046980

SAMPLE INFORMATION

Description HW100320E-Final
Category (Type) Edible
Received March 20, 2020

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)
Method MF12D012
Analysis Date March 20, 2020 to March 25, 2020

Analyte	mg/g	%	mg/ml	Status
Δ8-THC	ND	ND	ND	-
Δ9-THC	<LOQ (0.81)	<LOQ (0.081)	0.78	-
Δ9-THCA	ND	ND	ND	-
THCV	ND	ND	ND	-
THCVA	ND	ND	ND	-
CBD	22.6	2.26	21.71	-
CBDA	1.99	0.199	1.91	-
CBC	1.18	0.118	1.13	-
CBCA	ND	ND	ND	-
CBDV	ND	ND	ND	-
CBG	<LOQ (0.52)	<LOQ (0.052)	0.5	-
CBGA	ND	ND	ND	-
CBN	ND	ND	ND	-
Total THC	<LOQ (0.81)	<LOQ (0.081)	0.78	-
Total CBD	24.35	2.435	23.39	-
Total Cannabinoids	27.1	2.71	26.03	-
Total Active Cannabinoids	26.85	2.685	25.8	-
g/ml Conversion Factor	0.96073			

Reported by
Anresco, Inc.



George Wharam
Analyst

March 25, 2020

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

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	HW100320E-Final	Eurofins Sample:	9380496
Project ID	SUNSOIL-20200320-0029	Receipt Date	20-Mar-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW100320E-Final	Login Date	20-Mar-2020
Sample Serving Size		Date Started	23-Mar-2020
		Sampled	Sample results apply as received
		Online Order	15701-1334D06A

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

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

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 only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	HW100320E-Final	Eurofins Sample:	9380496
Project ID	SUNSOIL-20200320-0029	Receipt Date	20-Mar-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW100320E-Final	Login Date	20-Mar-2020
Sample Serving Size		Date Started	23-Mar-2020
		Sampled	Sample results apply as received
		Online Order	15701-1334D06A

Analysis

Result

Aerobic Plate Count

Standard Plate Count

<10 CFU/g

Method References

Testing Location

Aerobic Plate Count (APC)

FDA BAM Ch. 3

AOAC 966.23

CMMEF Ch. 8

EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

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

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

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	HW100320E-Final	Eurofins Sample:	9380496
Project ID	SUNSOIL-20200320-0029	Receipt Date	20-Mar-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW100320E-Final	Login Date	20-Mar-2020
Sample Serving Size		Date Started	23-Mar-2020
		Sampled	Sample results apply as received
		Online Order	15701-1334D06A

Analysis

Result

Yeast and Mold Plate Count

Yeast Plate Count
Mold Plate Count

<10 CFU/g
<10 CFU/g

Method References

Testing Location

Yeast and Mold Plate Count (YM_SPRD)

EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

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

Food Integrity Innovation-Madison

Edward Ladwig - Director

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

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

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	HW100320E-Final	Eurofins Sample:	9380496
Project ID	SUNSOIL-20200320-0029	Receipt Date	20-Mar-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW100320E-Final	Login Date	20-Mar-2020
Sample Serving Size		Date Started	23-Mar-2020
		Sampled	Sample results apply as received
		Online Order	15701-1334D06A

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

Method References	Testing Location
-------------------	------------------

E.coli and Coliforms (Petrifilm) (ECCOLIPET)	EML New Berlin
AOAC 991.14	2345 S 170th St New Berlin, WI 53151 USA

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

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

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	HW100320E-Final	Eurofins Sample:	9380496
Project ID	SUNSOIL-20200320-0029	Receipt Date	20-Mar-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW100320E-Final	Login Date	20-Mar-2020
Sample Serving Size		Date Started	23-Mar-2020
		Sampled	Sample results apply as received
		Online Order	15701-1334D06A

Analysis

Result

Salmonella BAM
Salmonella

Negative /25 g

Method References

Testing Location

Salmonella BAM (SALA)

EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

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 Integrity Innovation-Madison

Edward Ladwig - Director

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

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

March 23, 2020

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 512432
Sample No. 1046977

SAMPLE INFORMATION

Description HW100320E-Final
Category (Type) Edible
Received March 20, 2020

ANALYTICAL RESULTS

Analysis Date March 20, 2020 to March 23, 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 23, 2020



CERTIFICATE OF ANALYSIS

Unflavored - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 37069401
Bulk Batch Number: HW100320E
Manufacture Date: March 2020
Best By Date: March 2022
Strength: 20mg CBD per milliliter (ml) / 1200mg CBD per 60ml (2oz) bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (oil potency)</u>	<u>% weight</u>
CBD	22.6	21.42	2.26
CBDV	<0.4	<0.38	<0.04
CBDa	1.99	1.89	0.199
CBG	<0.52	<0.49	0.052
CBGa	<0.4	<0.38	0.04
CBC	1.18	1.12	0.118
CBN	<0.4	<0.38	<0.04
Δ^9 -THC	<0.81	<0.77	<0.081
THCa	<0.4	<0.38	<0.04
Total THC	<0.81	<0.77	<0.081
Total CBD	24.35	23.07	2.435
Total Cannabinoids	27.1	25.68	2.71

**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

UNFLAVORED- FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 37069401
Batch Number: HW100320E
Manufacture Date: March 2020
Best By Date: March 2022
Strength: 20mg CBD per milliliter (ml) / 1200mg 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

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".

• MADE IN VERMONT •