

February 06, 2020

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 511328  
Sample No. 1043546

**SAMPLE INFORMATION**

**Description** HW18012001  
**Category (Type)** Edible  
**Received** February 03, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Method** MF12D012  
**Analysis Date** February 03, 2020 to February 06, 2020

Analyte	mg/g	%	mg/ml	Status
Δ8-THC	ND	ND	ND	-
Δ9-THC	<LOQ (0.72)	<LOQ (0.072)	0.7	-
Δ9-THCA	ND	ND	ND	-
THCV	ND	ND	ND	-
THCVA	ND	ND	ND	-
CBD	21.31	2.131	20.54	-
CBDA	<LOQ (0.95)	<LOQ (0.095)	0.92	-
CBC	<LOQ (0.99)	<LOQ (0.099)	0.96	-
CBCA	ND	ND	ND	-
CBDV	ND	ND	ND	-
CBG	ND	ND	ND	-
CBGA	ND	ND	ND	-
CBN	ND	ND	ND	-
Total THC	<LOQ (0.72)	<LOQ (0.072)	0.7	-
Total CBD	22.15	2.215	21.34	-
Total Cannabinoids	23.98	2.398	23.11	-
Total Active Cannabinoids	23.87	2.387	23.0	-

**Label Claims** N/P  
**g/ml Conversion Factor** 0.9635

Reported by  
**Anresco, Inc.**



Eric Tam  
Senior Chemist

February 06, 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

<b>Sample Name:</b>	<b>HW18012001</b>	<b>Eurofins Sample:</b>	<b>9232949</b>
<b>Project ID</b>	SUNSOIL-20200130-0011	<b>Receipt Date</b>	03-Feb-2020
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	30-Jan-2020
		<b>Date Started</b>	03-Feb-2020
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-12F57AE9

Analysis	Result	Result per Serving
<b>Salmonella BAM</b>		
Salmonella	Negative /25 g	
<b>Yeast and Mold Plate Count</b>		
Yeast Plate Count	<10 CFU/g	
Mold Plate Count	<10 CFU/g	
<b>Aerobic Plate Count</b>		
Standard Plate Count	<10 CFU/g	
<b>E.coli and Coliforms (Petrifilm)</b>		
Total coliforms	<10 CFU/g	
Escherichia Coli	<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

#### E.coli and Coliforms (Petrifilm) (ECCOLIPET)

AOAC 991.14

**EML New Berlin**  
2345 S 170th St New Berlin, WI 53151 USA

#### Salmonella BAM (SALA)

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

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

#### Yeast and Mold Plate Count (YM\_SPRD)

Compendium of Methods for the Microbiological Examination of Foods, Yeasts and Molds, 4th Edition, Chapter 20, 2001, (Modified)

**EML New Berlin**  
2345 S 170th St New Berlin, WI 53151 USA

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>HW18012001</b>	<b>Eurofins Sample:</b>	<b>9232949</b>
<b>Project ID</b>	SUNSOIL-20200130-0011	<b>Receipt Date</b>	03-Feb-2020
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	30-Jan-2020
		<b>Date Started</b>	03-Feb-2020
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-12F57AE9

Analysis	Result	Result per Serving
<b>Elements by ICP Mass Spectrometry</b>		
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 Madison, 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.

February 14, 2020

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 511328  
Sample No. 1043546

**SAMPLE INFORMATION**

Description HW18012001  
Category (Type) Edible  
Received February 03, 2020

**ANALYTICAL RESULTS**

Analysis Date February 03, 2020 to February 14, 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

February 14, 2020



## CERTIFICATE OF ANALYSIS

### ***Unflavored - FULL SPECTRUM HEMP EXTRACT – 20MG CBD***

Bottle Lot Number: 37069800  
Bulk Batch Number: HW18012001  
Manufacture Date: January 2020  
Best By Date: January 2022  
Strength: 20mg CBD per milliliter (ml) / 1200mg CBD per 60ml (2oz) bottle

<b><u>Cannabinoid:</u></b>	<b><u>mg/g (oil potency)</u></b>	<b><u>mg/ml (oil potency)</u></b>	<b><u>% weight</u></b>
CBD	21.31	20.19	2.131
CBDV	<0.4	<0.38	<0.04
CBDa	<0.95	<0.90	<0.095
CBG	<0.4	<0.38	<0.04
CBGa	<0.4	<0.38	<0.04
CBC	<0.99	<0.94	<0.099
CBN	<0.4	<0.38	<0.04
$\Delta^9$ -THC	<0.72	<0.68	<0.072
THCa	<0.4	<0.38	<0.04
<b>Total THC</b>	<b>&lt;0.72</b>	<b>&lt;0.68</b>	<b>&lt;0.072</b>
<b>Total CBD</b>	<b>22.15</b>	<b>20.99</b>	<b>2.215</b>
<b>Total Cannabinoids</b>	<b>23.98</b>	<b>22.72</b>	<b>2.398</b>

*\*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

### ***UNFLAVORED- FULL SPECTRUM HEMP EXTRACT – 20MG CBD***

Bottle Lot Number: 37069800  
Batch Number: HW18012001  
Manufacture Date: January 2020  
Best By Date: January 2022  
Strength: 20mg CBD per milliliter (ml) / 1200mg CBD per 60ml (2oz) bottle

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

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

<b>Glyphosate Testing</b>	<b>Pass/Fail</b>	<b>Specification</b>
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 •