



SUNSOIL®

## CERTIFICATE OF ANALYSIS

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

Bottle Lot Number: 00403954001  
Bulk Batch Number: HW100221E  
Manufacture Date: June 2021  
Best By Date: February 2023  
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	23.4	22.17	2.340
CBDV	<0.25	<0.24	<0.03
CBDa	0.444	0.42	0.044
CBG	0.408	0.39	0.041
CBGa	<0.25	<0.24	<0.03
CBC	1.13	1.07	0.113
CBN	<0.25	<0.24	<0.03
$\Delta^9$ -THC	0.617	0.58	0.062
THCa	<0.25	<0.24	<0.03
<b>Total THC</b>	<b>0.617</b>	<b>0.58</b>	<b>0.062</b>
<b>Total CBD</b>	<b>23.8</b>	<b>22.55</b>	<b>2.380</b>
<b>Total Cannabinoids</b>	<b>26.0</b>	<b>24.64</b>	<b>2.600</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 •

180 Battery Street, Suite 250, Burlington, VT 05401 • [info@sunsoil.com](mailto:info@sunsoil.com)



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Bottle Lot Number: 00403954001  
Batch Number: HW100221E  
Manufacture Date: June 2021  
Best By Date: February 2023  
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

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## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>Final Blend</b>	<b>Eurofins Sample:</b>	<b>10434627</b>
<b>Project ID</b>	SUNSOIL-20210326-0015	<b>Receipt Date</b>	29-Mar-2021
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	HW100221E	<b>Login Date</b>	26-Mar-2021
<b>Sample Serving Size</b>	1 g	<b>Date Started</b>	30-Mar-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-1520981F

Analysis	Result	Result per Serving
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#### Industrial Hemp Cannabinoid Profile

Analysis	Result	Result per Serving
CBDVA	<0.0250 %	<0.250 mg/Serving Size
CBDV	<0.0250 %	<0.250 mg/Serving Size
CBDA	0.0444 %	0.444 mg/Serving Size
CBGA	<0.0250 %	<0.250 mg/Serving Size
CBG	0.0408 %	0.408 mg/Serving Size
CBD	2.34 %	23.4 mg/Serving Size
THCV	<0.0250 %	<0.250 mg/Serving Size
CBN	<0.0250 %	<0.250 mg/Serving Size
Delta 9-THC	0.0617 %	0.617 mg/Serving Size
Delta 8-THC	<0.0500 %	<0.500 mg/Serving Size
THCA	<0.0250 %	<0.250 mg/Serving Size
CBC	0.113 %	1.13 mg/Serving Size
Total Cannabinoids	2.60 %	26.0 mg/Serving Size
Total THC (THC + (THCA x 0.877))	0.0617 %	0.617 mg/Serving Size
Total CBD (CBD + (CBDA x 0.877))	2.38 %	23.8 mg/Serving Size
THCVA	<0.0250 %	
CBNA	<0.0250 %	
CBCA	<0.0250 %	
CBL	<0.0250 %	

#### Elements by ICP Mass Spectrometry

Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

Analysis	Limit	Result	Pass/Fail
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#### Mycotoxins in Raw Materials

Aflatoxin B1		<0.500 ppb	
Aflatoxin B2		<0.500 ppb	
Aflatoxin G1		<0.500 ppb	

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Analysis	Limit	Result	Pass/Fail
<b>Mycotoxins in Raw Materials</b>			
Aflatoxin G2		<0.500 ppb	
Ochratoxin A	20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Abamectin		<0.30 mg/kg	
Aldicarb		<0.10 mg/kg	
Aldicarb sulfone (Aldoxycarb)		<0.10 mg/kg	
Aldicarb sulfoxide		<0.10 mg/kg	
Azoxystrobin		<0.10 mg/kg	
Bifenazate		<0.10 mg/kg	
Bifenthrin		<0.10 mg/kg	
Carbaryl		<0.10 mg/kg	
Carbofuran		<0.10 mg/kg	
Carbofuran-3-hydroxy-		<0.10 mg/kg	
Chlorantraniliprole		<0.10 mg/kg	
Chlordane, cis-		<0.10 mg/kg	
Chlordane, trans-		<0.10 mg/kg	
Chlorfenapyr		<0.10 mg/kg	
Chlorpyrifos		<0.10 mg/kg	
Coumaphos		<0.10 mg/kg	
Cyfluthrin		<0.10 mg/kg	
Cypermethrin		<0.10 mg/kg	
Cyproconazole (2 diastereoisomers)		<0.10 mg/kg	
Cyprodinil		<0.10 mg/kg	
Dichlorvos		<0.10 mg/kg	
Diclobutrazol		<0.10 mg/kg	
Dipropetryn		<0.10 mg/kg	
Disulfoton		<0.10 mg/kg	
Endosulfan I (alpha-isomer)		<0.20 mg/kg	
Endosulfan II (beta-isomer)		<0.20 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Endosulfan sulfate		<0.20 mg/kg	
Epoxiconazole		<0.10 mg/kg	
Ethiofencarb		<0.10 mg/kg	
Etofenprox		<0.10 mg/kg	
Etoxazole		<0.10 mg/kg	
Fenoxycarb		<0.10 mg/kg	
Fenpropathrin		<0.10 mg/kg	
Fenvalerate/Esfenvalerate (sum of isomers)		<0.20 mg/kg	
Fipronil		<0.10 mg/kg	
Fipronil desulfinyl		<0.10 mg/kg	
Fipronil sulfone		<0.10 mg/kg	
Imazalil		<0.10 mg/kg	
Imidacloprid		<0.10 mg/kg	
Malathion		<0.10 mg/kg	
Methiocarb		<0.10 mg/kg	
Methiocarb sulfone		<0.10 mg/kg	
Methiocarb sulfoxide		<0.10 mg/kg	
Methomyl		<0.10 mg/kg	
Mevinphos (E- and Z-isomers)		<0.10 mg/kg	
Myclobutanil		<0.10 mg/kg	
Naled (Dibrom)		<0.10 mg/kg	
Paclobutrazol		<0.10 mg/kg	
Permethrin (sum of isomers)		<0.10 mg/kg	
Propoxur		<0.10 mg/kg	
Spinetoram (spinosyns J and L)		<0.10 mg/kg	
Spinosad (spinosyns A and D)		<0.10 mg/kg	
Spirodiclofen		<0.10 mg/kg	
Spiromesifen		<0.10 mg/kg	
Spirotetramat		<0.10 mg/kg	
Spiroxamine (2 diastereoisomers)		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Tebuconazole		<0.10 mg/kg	
Thiabendazole		<0.10 mg/kg	
Thiabendazole-5-hydroxy-		<0.10 mg/kg	
Thiacloprid		<0.10 mg/kg	
Trifloxystrobin		<0.10 mg/kg	
Metolachlor		<0.10 mg/kg	
Pyrethrum (total)		<1.0 mg/kg	

Method References	Testing Location
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**Elements by ICP Mass Spectrometry (ICP\_MS\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave 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).

**Industrial Hemp Cannabinoid Profile (IHCBD\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

**Multi-Residue Analysis for hemp products - 60+ compounds (PEST\_HEMP)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*CEN Standard Method EN 15662*: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

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### Sunsoil

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Burlington Vermont 05401

#### Method References

#### Testing Location

#### Mycotoxins in Raw Materials (MYCO\_REG\_S)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

#### Testing Location(s)

#### Released on Behalf of Eurofins by

#### Food Integrity Innovation-Madison

#### Edward Ladwig - President Eurofins Food Chemistry Testing Madison

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375



2918.01

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Analysis	Result	Result per Serving
<b>Salmonella BAM</b>		
Salmonella	Not Detected /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
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**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.

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



## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

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**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)

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Madison****Edward Ladwig - President Eurofins Food Chemistr**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375

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April 09, 2021

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 521937  
Sample No. 1078066

## SAMPLE INFORMATION

Description Final Blend  
Lot Number HW100221E  
Category Non-Inhalable Concentrate  
Received March 30, 2021

## ANALYTICAL RESULTS

Analysis Glyphosate  
Instrument LC-MS/MS  
Method Anresco MF 2P030  
Analysis Date March 30, 2021 to April 09, 2021

Analyte	LOD / LOQ (ppb)	Findings (ppb)
Glyphosate	2/5	None Detected
AMPA	2/5	None Detected

Reported by  
**Anresco, Inc.**

ND = None Detected

  


Cathy Cheng  
Senior Analyst

April 09, 2021

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".