



SUNSOIL®

CERTIFICATE OF ANALYSIS

PEPPERMINT- FULL SPECTRUM HEMP EXTRACT – 5MG CBD

Bottle Lot Number: 36822500
Bulk Batch Number: HW130120B
Manufacture Date: January 2020
Best By Date: January 2024
Strength: 5mg CBD per spray / 500mg CBD per 30ml (1oz) bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/spray (oil potency)</u>	<u>% weight</u>
CBD	18.6	5.21	1.86
CBDV	0.120	0.03	0.0120
CBDa	1.52	0.43	0.152
CBG	0.325	0.09	0.0325
CBGa	<0.0250	<0.007	<0.00250
CBC	1.01	0.28	0.101
CBN	<0.0250	<0.007	<0.00250
Δ^9 -THC	0.700	0.20	0.0700
THCa	<0.0250	<0.007	<0.00250
Total THC	0.700	0.20	0.0700
Total CBD	19.9	5.57	1.99
Total Cannabinoids	22.3	6.24	2.23

**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



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Strength: 5mg CBD per spray / 500mg CBD per 30ml (1oz) 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

Sample Name:	HW130120B-FINAL	Eurofins Sample:	9234743
Project ID	SUNSOIL-20200130-0012	Receipt Date	03-Feb-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size	1 g	Login Date	30-Jan-2020
		Date Started	03-Feb-2020
		Sampled	Sample results apply as received
		Online Order	15701-12F5C269

Analysis	Result	Result per Serving
Industrial Hemp Cannabinoid Profile		
CBDVA	<0.00250 %	<0.0250 mg/Serving Size
CBDV	0.0120 %	0.120 mg/Serving Size
CBDA	0.152 %	1.52 mg/Serving Size
CBGA	<0.00250 %	<0.0250 mg/Serving Size
CBG	0.0325 %	0.325 mg/Serving Size
CBD	1.86 %	18.6 mg/Serving Size
THCV	<0.00250 %	<0.0250 mg/Serving Size
CBN	<0.00250 %	<0.0250 mg/Serving Size
Delta 9-THC	0.0700 %	0.700 mg/Serving Size
Delta 8-THC	<0.00500 %	<0.0500 mg/Serving Size
THCA	<0.00250 %	<0.0250 mg/Serving Size
CBC	0.101 %	1.01 mg/Serving Size
Total Cannabinoids	2.23 %	22.3 mg/Serving Size
Total THC (THC + (THCA x 0.877))	0.0700 %	0.700 mg/Serving Size
Total CBD (CBD + (CBDA x 0.877))	1.99 %	19.9 mg/Serving Size

Method References	Testing Location
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Industrial Hemp Cannabinoid Profile (IHCBD_S)
Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection, " First Action Method, Journal of AOAC International, Future Issue

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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

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



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Analysis	Result	Result per Serving
Aerobic Plate Count		
Standard Plate Count	<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

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Madison

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

Method References	Testing Location
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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
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Testing Location(s)	Released on Behalf of Eurofins by
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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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180 Battery Street; Suite 250
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Analysis	Result	Result per Serving
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	

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		Online Order	15701-12F5C269

Analysis	Result	Result per Serving
Salmonella BAM		
Salmonella	Negative /25 g	

Method References	Testing Location
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Salmonella BAM (SALA)	Food Integ. Innovation-Madison NE 2102 Wright Street Madison, WI 53704 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
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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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February 04, 2020

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 511327
Sample No. 1043542

SAMPLE INFORMATION

Description HW130120B-FINAL
Category (Type) Edible
Received February 03, 2020

ANALYTICAL RESULTS

Analysis Date February 03, 2020 to February 04, 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 04, 2020