



SUNSOIL®

CERTIFICATE OF ANALYSIS

CINNAMON - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot: 13083-33773
Bulk Batch Number: HW021120C
Manufacture Date: July 2021
Best By Date: July 2023
Strength: 20mg CBD per milliliter (ml) / 300mg CBD per 15ml (1/2oz) bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (oil potency)</u>	<u>% weight</u>
CBD	23.9	22.70	2.390
CBDV	0.11	0.10	0.011
CBDa	0.843	0.800	0.0843
CBG	0.365	<0.52	0.0365
CBGa	<0.25	<.024	<0.0025
CBC	1.06	1.007	0.106
CBN	0.062	0.058	0.00615
Δ ⁹ -THC	0.666	0.632	0.0666
THCa	0.025	0.024	<0.0025
Total THC	0.666	0.632	0.0666
Total CBD	24.60	23.36	2.46
Total Cannabinoids	27.20	25.83	2.72

LOD = 0.4 mg/g or 0.04% or 0.38 mg/ml

**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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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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• MADE IN VERMONT •

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

Sample Name:	Final Blend	Eurofins Sample:	10231112
Project ID	SUNSOIL-20210122-0003	Receipt Date	25-Jan-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	HW021120C	Login Date	22-Jan-2021
Sample Serving Size	1 g	Date Started	25-Jan-2021
		Sampled	Sample results apply as received
		Online Order	15701-14CD95DE

Analysis	Result	Result per Serving
Industrial Hemp Cannabinoid Profile		
CBDVA	<0.00250 %	<0.0250 mg/Serving Size
CBDV	0.0110 %	0.110 mg/Serving Size
CBDA	0.0843 %	0.843 mg/Serving Size
CBGA	<0.00250 %	<0.0250 mg/Serving Size
CBG	0.0365 %	0.365 mg/Serving Size
CBD	2.39 %	23.9 mg/Serving Size
THCV	<0.00250 %	<0.0250 mg/Serving Size
CBN	0.00615 %	0.0615 mg/Serving Size
Delta 9-THC	0.0666 %	0.666 mg/Serving Size
Delta 8-THC	<0.00500 %	<0.0500 mg/Serving Size
THCA	<0.00250 %	<0.0250 mg/Serving Size
CBC	0.106 %	1.06 mg/Serving Size
Total Cannabinoids	2.72 %	27.2 mg/Serving Size
Total THC (THC + (THCA x 0.877))	0.0666 %	0.666 mg/Serving Size
Total CBD (CBD + (CBDA x 0.877))	2.46 %	24.6 mg/Serving Size
THCVA	<0.00250 %	
CBNA	0.0149 %	
CBCA	0.00603 %	
CBL	<0.00250 %	

Method References

Testing Location

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

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

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

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

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

Edward Ladwig - President Eurofins Food
Chemistry Testing Madison



2918.01

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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

Edward Ladwig - President Eurofins Food Chemistr

Eurofins Food Chemistry Testing Madison, Inc.
3301 Kinsman Blvd
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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
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E.coli and Coliforms (Petrifilm) (ECCOLIPET)

EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

AOAC 991.14

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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
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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).

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 60+ compounds		
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
Endosulfan sulfate		<0.20 mg/kg
Epoxiconazole		<0.10 mg/kg
Ethiofencarb		<0.10 mg/kg
Etofenprox		<0.10 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 60+ compounds		
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
Tebuconazole		<0.10 mg/kg
Thiabendazole		<0.10 mg/kg
Thiabendazole-5-hydroxy-		<0.10 mg/kg
Thiacloprid		<0.10 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 60+ compounds		
Trifloxystrobin		<0.10 mg/kg
Metolachlor		<0.10 mg/kg
Pyrethrum (total)		<1.0 mg/kg

Method References	Testing Location
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Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)	Food Integrity Innovation-Madison 3301 Kinsman Blvd Madison, WI 53704 USA
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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.

Testing Location(s)	Released on Behalf of Eurofins by
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Analysis	Result	Result per Serving
Salmonella BAM		
Salmonella	Not Detected /25 g	

Method References	Testing Location
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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.

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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)	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
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Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistr
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3301 Kinsman Blvd
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January 26, 2021

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 519518
Sample No. 1070634

SAMPLE INFORMATION

Description Final Blend
Lot Number HW021120C
Category (Type) Non-Inhalable Orally Consumed Concentrate (Tincture)
Received January 25, 2021

ANALYTICAL RESULTS

Analysis Glyphosate
Instrument LC-MS/MS
Method Anresco MF 2P030
Analysis Date January 25, 2021 to January 26, 2021

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

Reported by
Anresco, Inc.




Cathy Cheng
Senior Analyst

January 26, 2021

ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection

If there are any questions with this report, please contact "compliance@anresco.com".