



CERTIFICATE OF ANALYSIS

Tincture - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 13083-54275
Batch Number: HW010822E
Manufacture Date: December 2022
Best By Date: December 2024
Strength: 20mg CBD per serving / 300mg CBD per 15ml bottle/ 600mg per 30ml bottle/
1200mg per 60ml bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (serving potency)</u>	<u>% by weight</u>
CBD	21.80	21.23	0.22
CBDV	0.10	0.10	0.00
CBDa	2.40	2.34	0.02
CBG	0.38	0.37	0.00
CBGa	0.05	0.05	0.00
CBC	1.51	1.47	0.02
CBN	0.08	0.08	0.00
Δ 9-THC	0.60	0.58	0.01
THCa	<LOQ	<LOQ	<LOQ
Total THC	0.60	0.58	0.01
Total CBD	23.90	23.28	0.24
Total Cannabinoids	27.10	26.40	0.27

**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®

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Best By Date: December 2024
Strength: 20mg CBD per serving / 300mg CBD per 15ml bottle/ 600mg per 30ml bottle/
1200mg per 60ml 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 purity and quality of raw material inputs – representative results can be found on our website. ND indicates "None Detected". <LOQ indicates "Below Limit of Quantification"

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Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401 United States

Sample Name:	HW010822E	Eurofins Sample:	12164120
Project ID	SUNSOIL-20220912-0026	Receipt Date	14-Sep-2022
PO Number	NA	Receipt Condition	Ambient temperature
Sample Serving Size	1 g	Login Date	12-Sep-2022
		Date Started	14-Sep-2022
		Sampled	Sample results apply as received
		Online Order	15701-17E1FB93

Analysis	Result	Result per Serving
Industrial Hemp Cannabinoid Profile		
CBDVA	None detected at detection limit of 0.0004 %	
CBDVA	None detected at detection limit of 0.0004 %	
CBDV	0.0109 %	
CBDV	0.109 mg/g	
CBDA	2.40 mg/g	
CBDA	0.240 %	
CBGA	0.0498 mg/g	
CBGA	0.00498 %	
CBG	0.0384 %	
CBG	0.384 mg/g	
CBD	2.18 %	
CBD	21.8 mg/g	
THCV	None detected at detection limit of 0.0008 %	
THCV	None detected at detection limit of 0.0008 %	
CBN	0.0844 mg/g	
CBN	0.00844 %	
Delta 9-THC	0.0603 %	
Delta 9-THC	0.603 mg/g	
Delta 8-THC	None detected at detection limit of 0.0017 %	
Delta 8-THC	None detected at detection limit of 0.0017 %	
THCA	None detected at detection limit of 0.0017 %	
THCA	None detected at detection limit of 0.0017 %	
CBC	1.51 mg/g	

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Analysis	Result	Result per Serving
Industrial Hemp Cannabinoid Profile		
CBC	0.151 %	
THCVA	None detected at detection limit of 0.0004 %	
THCVA	None detected at detection limit of 0.0004 %	
CBNA	None detected at detection limit of 0.0004 %	
CBNA	None detected at detection limit of 0.0004 %	
CBCA	0.0133 %	
CBCA	0.133 mg/g	
CBL	0.0409 mg/g	
CBL	0.00409 %	
Total Cannabinoids	2.71 %	
Total Cannabinoids	27.1 mg/g	
Total THC (THC + (THCA x 0.877))	0.0603 %	
Total THC (THC + (THCA x 0.877))	0.603 mg/g	
Total CBD (CBD + (CBDA x 0.877))	23.9 mg/g	
Total CBD (CBD + (CBDA x 0.877))	2.39 %	

Method References

Testing Location

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).

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401 United States

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

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

Edward Ladwig - President Eurofins Food
Chemistry Testing Madison



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. Measurement uncertainty for individual analyses can be obtained upon request.

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Burlington Vermont 05401 United States

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Analysis	Result	Result per Serving
Salmonella BAM		
Salmonella	Negative /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.

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.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375

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September 20, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537696
Sample No. 1138749

SAMPLE INFORMATION

Description HW010822E
Category (Type) Non-Inhalable Concentrate (Other)
Received September 14, 2022

ANALYTICAL RESULTS

Analysis Terpene Profile
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method American Herbal Pharmacopoeia
Analysis Date September 14, 2022 to September 20, 2022

Terpene	mg/g	%
α-Pinene	0.020	0.0020
Isopulegol	ND	ND
Camphene	ND	ND
Menthol	ND	ND
β-Myrcene	0.032	0.0032
(-)-Borneol	ND	ND
β-Pinene	0.016	0.0016
Terpineol	0.036	0.0036
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.020	0.0020
Geraniol	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	0.140	0.0140
trans-beta-Ocimene	ND	ND
α-Humulene	0.051	0.0051
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	ND	ND
trans-Nerolidol	ND	ND
Eucalyptol	ND	ND
Guaiol	0.040	0.0040
γ-Terpinene	ND	ND
Caryophyllene Oxide	0.063	0.0063
Terpinolene	ND	ND
α-Bisabolol	0.067	0.0067
Linalool	ND	ND
Eudesmol	0.054	0.0054
Total Terpenes	0.538	0.0538

Reported by
Anresco, Inc.




Jordean Vargas
Analyst

September 20, 2022

Limit of Detection: 0.0004 %
Limit of Quantitation: 0.0013 %
ND = None Detected
<LOQ = Below Limit of Quantitation
LOD = Limit of Detection

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

September 19, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537696
Sample No. 1138749

SAMPLE INFORMATION

Description HW010822E
Category (Type) Non-Inhalable Concentrate (Other)
Received September 14, 2022

ANALYTICAL RESULTS

Analysis Water Activity
Instrument Decagon
Method MF 14G051
Analysis Date September 14, 2022 to September 19, 2022

Analyte	Findings	Limit	Status
Water Activity	0.46	0.85	Pass

Reported by
Anresco, Inc.

ND = None Detected



Eric Tam
Senior Chemist

September 19, 2022

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

September 27, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537696
Sample No. 1138749

SAMPLE INFORMATION

Description HW010822E
Category (Type) Non-Inhalable Concentrate (Other)
Received September 14, 2022

ANALYTICAL RESULTS

Analysis Glyphosate
Instrument LC-MS/MS
Method Anresco MF 2P033
Analysis Date September 14, 2022 to September 27, 2022

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

September 27, 2022

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

Certificate of Analysis

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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
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).

Testing Location(s)	Released on Behalf of Eurofins by
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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 - President Eurofins Food Chemistr
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	

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