



CERTIFICATE OF ANALYSIS

Tincture - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 13083-54273
Batch Number: HW080922C
Manufacture Date: Dec 2022
Best By Date: Dec 2024
Strength: 20mg CBD per serving / 300mg CBD per 15ml bottle/ 1200mg per 60ml bottle/

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/Gummy (Gummy potency)</u>	<u>% by weight</u>
CBD	21.80	20.66	2.18
CBDV	0.14	0.13	0.01
CBDa	2.56	2.43	0.26
CBG	0.37	0.35	0.04
CBGa	0.04	0.04	0.00
CBC	1.26	1.19	0.13
CBN	0.07	0.06	0.01
Δ^9 -THC	0.65	0.62	0.07
THCa	LOQ	LOQ	LOQ
Total THC	0.65	0.62	0.07
Total CBD	24.00	22.74	2.40
Total Cannabinoids	27.10	25.68	2.71

**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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Tincture - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 13083-54273
Batch Number: HW080922C
Manufacture Date: Dec 2022
Best By Date: Dec 2024
Strength: 20mg CBD per serving / 300mg CBD per 15ml 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 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

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401 United States

Sample Name:	HW090822C	Eurofins Sample:	12184273
Project ID	SUNSOIL-20220916-0027	Receipt Date	19-Sep-2022
PO Number	NA	Receipt Condition	Ambient temperature
Sample Serving Size	1 g	Login Date	16-Sep-2022
		Date Started	19-Sep-2022
		Sampled	Sample results apply as received
		Online Order	15701-17E748AA

Analysis

Result

Industrial Hemp Cannabinoid Profile

CBDVA	None detected at detection limit of 0.0004 %
CBDVA	None detected at detection limit of 0.0004 %
CBDV	0.0139 %
CBDV	0.139 mg/g
CBDA	2.56 mg/g
CBDA	0.256 %
CBGA	0.00433 %
CBGA	0.0433 mg/g
CBG	0.371 mg/g
CBG	0.0371 %
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	0.0670 mg/g
CBN	0.00670 %
Delta 9-THC	0.0653 %
Delta 9-THC	0.653 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	<0.00250 %
THCA	<0.0250 mg/g
CBC	1.26 mg/g
CBC	0.126 %
THCVA	None detected at detection limit of 0.0004 %

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		Date Started	19-Sep-2022
		Sampled	Sample results apply as received
		Online Order	15701-17E748AA

Analysis

Result

Industrial Hemp Cannabinoid Profile

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	0.0136 %
CBCA	0.136 mg/g
CBL	0.00363 %
CBL	0.0363 mg/g
Total Cannabinoids	2.71 %
Total Cannabinoids	27.1 mg/g
Total THC (THC + (THCA x 0.877))	0.0653 %
Total THC (THC + (THCA x 0.877))	0.653 mg/g
Total CBD (CBD + (CBDA x 0.877))	2.40 %
Total CBD (CBD + (CBDA x 0.877))	24.0 mg/g

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**

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

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.

September 23, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537848
Sample No. 1139217

SAMPLE INFORMATION

Description HW090822C
PO# SEPT16,2022
Category Non-Inhalable Concentrate
Received September 19, 2022

ANALYTICAL RESULTS

Analysis Terpene Profile
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method American Herbal Pharmacopoeia
Analysis Date September 19, 2022 to September 23, 2022

Terpene	mg/g	%
α-Pinene	0.377	0.0377
Isopulegol	ND	ND
Camphene	0.033	0.0033
Menthol	ND	ND
β-Myrcene	0.034	0.0034
(-)-Borneol	ND	ND
β-Pinene	0.213	0.0213
Terpineol	0.068	0.0068
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.487	0.0487
Geraniol	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	0.331	0.0331
trans-beta-Ocimene	ND	ND
α-Humulene	0.096	0.0096
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	ND	ND
trans-Nerolidol	0.051	0.0051
Eucalyptol	0.056	0.0056
Guaiol	ND	ND
γ-Terpinene	0.015	0.0015
Caryophyllene Oxide	0.081	0.0081
Terpinolene	ND	ND
α-Bisabolol	0.084	0.0084
Linalool	0.336	0.0336
Eudesmol	0.059	0.0059
Total Terpenes	2.321	0.2321

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

Reported by
Anresco, Inc.




Jordean Vargas
Analyst

September 23, 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 22, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537848
Sample No. 1139217

SAMPLE INFORMATION

Description HW090822C
PO# SEPT16,2022
Category Non-Inhalable Concentrate
Received September 19, 2022

ANALYTICAL RESULTS

Analysis Water Activity
Instrument Decagon
Method MF 14G051
Analysis Date September 19, 2022 to September 22, 2022

Analyte	Findings	Limit	Status
Water Activity	0.42	0.85	Pass

Reported by
Anresco, Inc.

ND = None Detected



Eric Tam
Senior Chemist

September 22, 2022

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

October 03, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537848
Sample No. 1139217

SAMPLE INFORMATION

Description HW090822C
PO# SEPT16,2022
Category Non-Inhalable Concentrate
Received September 19, 2022

ANALYTICAL RESULTS

Analysis Glyphosate
Instrument LC-MS/MS
Method Anresco MF 2P033
Analysis Date September 19, 2022 to October 03, 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

October 03, 2022

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

October 03, 2022

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 537848
Sample No. 1139217

SAMPLE INFORMATION

Description HW090822C
PO# SEPT16,2022
Category Non-Inhalable Concentrate
Received September 19, 2022

ANALYTICAL RESULTS

Analysis Glyphosate
Instrument LC-MS/MS
Method Anresco MF 2P033
Analysis Date September 19, 2022 to October 03, 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

October 03, 2022

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		Date Started	19-Sep-2022
		Sampled	Sample results apply as received
		Online Order	15701-17E748AA

Analysis	Result
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
<p>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).</p>	

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistry Testing Madison
<p>Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375</p>	

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Analysis

Result

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)

AOAC 991.14

EML New Berlin

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.
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Analysis	Result
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.	

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