



CERTIFICATE OF ANALYSIS

Tincture - FULL SPECTRUM HEMP EXTRACT – 40MG CBD

Bottle Lot Number: 13083-55019
Batch Number: HW200622C
Manufacture Date: October 2022
Best By Date: October 2025
Strength: 40mg CBD per serving / 600mg CBD per 15ml bottle/ 1200mg per 30ml bottle/
2400mg per 60ml bottle

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/ml (serving potency)</u>	<u>% by weight</u>
CBD	43.89	41.56	4.39
CBDV	<LOQ	<LOQ	<LOQ
CBDa	2.37	2.24	0.24
CBG	0.73	0.69	0.07
CBGa	<LOQ	<LOQ	<LOQ
CBC	2.19	2.07	0.22
CBN	<LOQ	<LOQ	<LOQ
Δ^9 -THC	1.23	1.16	0.12
THCa	<LOQ	<LOQ	<LOQ
Total THC	1.23	1.16	0.12
Total CBD	45.97	43.53	4.60
Total Cannabinoids	50.11	47.45	5.01

**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 •



SUNSOIL®

CERTIFICATE OF ANALYSIS

Tincture - FULL SPECTRUM HEMP EXTRACT – 40MG CBD

Bottle Lot Number: 13083-55019
Batch Number: HW200622B
Manufacture Date: October 2022
Best By Date: October 2024
Strength: 40mg CBD per serving / 600mg CBD per 15ml bottle/ 1200mg per 30ml bottle/
2400mg 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".

• MADE IN VERMONT •

Certificate of Analysis

Company: Sunsoil 180 Battery St. Suite 250 Burlington, VT 05401 Customer ID: 211217-0 Grower License #: 50_2021_00000089	Sample ID: HW200622C Lot: N/A Matrix: Oil Date Sampled: N/A Date Received: 8/8/2022	Report Date: 9/22/2022 Date Analyzed: 9/9/2022 Analyst: CF Report ID: C220808AF
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Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
1,2-Dichloroethane	0.002	<LOQ
Benzene	0.003	<LOQ
Chloroform	0.006	<LOQ
Methylene Chloride	0.005	<LOQ
Trichloroethylene	0.001	<LOQ
Acetone	0.005	<LOQ
Acetonitrile	0.002	<LOQ
Propane	0.005	<LOQ
Butane	24.000	<LOQ
Ethanol	0.036	<LOQ
Ethyl acetate	0.014	<LOQ
Ethyl Ether	0.225	<LOQ
Heptane	1.500	<LOQ
Hexane	0.023	<LOQ
Isopropyl Alcohol	0.018	<LOQ
Methanol	0.009	<LOQ
Pentane	22.500	<LOQ
Toluene	0.005	<LOQ
Total Xylenes	0.011	<LOQ

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (<LOQ).

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes



This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by: 
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

(802) 540-0148 laboratory@biadiagnostics.com

Company: Suncoil

Sample ID: LW200622C

180 Battery St. Suite 250

Lot: N/A

Report Date: 9/22/2022

Certificate of Analysis

Company: Sunsoil 180 Battery St. Suite 250 Burlington, VT 05401 Customer ID: 211217-0 Grower License #: 50_2021_00000089	Sample ID: HW200622C Lot: N/A Matrix: Oil Date Sampled: N/A Date Received: 8/8/2022	Report Date: 8/16/2022 Date Analyzed: 8/10/2022 Analyst: LEM Report ID: C220808AF
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Plate Count Summary

Microbial Profile	3M Petrifilm Reference #	LOQ (cfu/g)	Plate Count (cfu/g)
Total Aerobic Plate Count	6400	910	<LOQ
Yeast and Mold Plate Count	6407	910	<LOQ



Microbial Methodology: 3M™ Petrifilm Plates

cfu/g = colony forming units per gram

LOQ = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOQ (<LOQ).

Reagent Blanks: <LOQ for all analytes

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Certified by: 
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Sunsoil
 180 Battery St. Suite 250
 Burlington, VT 05401

Sample ID: HW200622C
Lot: N/A
Matrix: Oil

Report Date: 8/16/2022
Date Analyzed: 8/10/2022

Customer ID: 211217-0

Date Sampled: N/A

Analyst: KAC

Grower License #: 50_2021_00000089

Date Received: 8/8/2022

Report ID: C220808AF

Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppb)	Concentration (ppb)	Category II Mycotoxin	LOQ (ppb)	Concentration (ppb)
Abamectin	10.0	<LOQ	Ochratoxin A	2.0	<LOQ
Acephate	1.0	<LOQ	Aflatoxin B1	0.2	<LOQ
Acequinocyl	1.0	<LOQ	Alfatoxin B2	1.0	<LOQ
Acetamiprid	1.0	<LOQ	Alfatoxin G1	0.2	<LOQ
Azoxystrobin	1.0	<LOQ	Alfatoxin G2	1.0	<LOQ
Bifenazate	1.0	<LOQ			
Bifenthrin	1.0	<LOQ			
Boscalid	1.0	<LOQ			
Carbaryl	1.0	<LOQ			
Chlorantraniliprole	1.0	<LOQ			
Clofentezine	1.0	<LOQ			
Cyfluthrin	10.0	<LOQ			
Cypermethrin	10.0	<LOQ			
Diazinon	1.0	<LOQ			
Etoazole	1.0	<LOQ			
Fenpyroximate	1.0	<LOQ			
Fonicamid	1.0	<LOQ			
Hexythiazox	1.0	<LOQ			
Imidacloprid	1.0	<LOQ			
Kresoxim-methyl	1.0	<LOQ			
Malathion	1.0	<LOQ			
Metalaxyl	1.0	<LOQ			
Methomyl	1.0	<LOQ			
Myclobutanil	1.0	<LOQ			
Naled	1.0	<LOQ			
Oxamyl	1.0	<LOQ			
Permethrin	1.0	<LOQ			
Phosmet	1.0	<LOQ			
Piperonylbutoxide	1.0	<LOQ			
Prallethrin	1.0	<LOQ			
Propiconazole	1.0	<LOQ			
Pyrethrin I	1.0	<LOQ			
Pyrethrin II	1.0	<LOQ			
Pyridaben	1.0	<LOQ			
Spinosyn A	1.0	<LOQ			
Spinosyn D	1.0	<LOQ			
Spiromesifen	1.0	<LOQ			
Spirotetramat	1.0	<LOQ			
Tebuconazole	1.0	<LOQ			
Thiamethoxam	1.0	<LOQ			
Trifloxystrobin	1.0	<LOQ			

Category I Residual Pesticide	LOQ (ppb)	Concentration (ppb)
Aldicarb	1.0	<LOQ
Carbofuran	1.0	<LOQ
Chlorpyrifos	1.0	<LOQ
Daminozide	10.0	<LOQ
DDVP (Dichlorvos)	1.0	<LOQ
Dimethoate	1.0	<LOQ
Ethoprop(hos)	1.0	<LOQ
Etofenprox	1.0	<LOQ
Fenoxycarb	1.0	<LOQ
Imazalil	1.0	<LOQ
Methiocarb	1.0	<LOQ
Paclobutrazol	1.0	<LOQ
Propoxur	1.0	<LOQ
Spiroxamine	5.0	<LOQ
Thiacloprid	1.0	<LOQ

N/A

Percent Moisture

LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

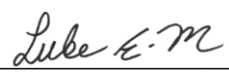
ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

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(802) 540-0148 laboratory@biadiagnostics.com

Certified by: 
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401 United States

Sample Name:	HW200622C	Eurofins Sample:	12059954
Project ID	SUNSOIL-20220811-0024	Receipt Date	10-Aug-2022
PO Number	NA	Receipt Condition	Ambient temperature
Sample Serving Size	1 g	Login Date	11-Aug-2022
		Date Started	11-Aug-2022
		Sampled	Sample results apply as received
		Number Composited	2
		Online Order	15701-17AFF760

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)	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

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.

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401 United States

Sample Name:	HW200622C	Eurofins Sample:	12059954
Project ID	SUNSOIL-20220811-0024	Receipt Date	10-Aug-2022
PO Number	NA	Receipt Condition	Ambient temperature
Sample Serving Size	1 g	Login Date	11-Aug-2022
		Date Started	11-Aug-2022
		Sampled	Sample results apply as received
		Number Composited	2
		Online Order	15701-17AFF760

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

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August 11, 2022

SUNSOIL
Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 536684
Sample No. 1135582

SAMPLE INFORMATION

Description **HW200622C**
PO# **August5,2022**
Category **Non-Inhalable Concentrate**
Received **August 08, 2022**

ANALYTICAL RESULTS

Analysis **Water Activity**
Instrument **Decagon**
Method **MF 14G051**

Analysis Date **August 08, 2022 to August 11, 2022**

Analyte	Findings	Limit	Status
Water Activity	0.49	0.85	Pass

Reported by
Anresco, Inc.

ND = None Detected



Eric Tam
Senior Chemist

August 11, 2022

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

August 11, 2022

SUNSOIL
Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 536684
Sample No. 1135582

SAMPLE INFORMATION

Description **HW200622C**
PO# **August5,2022**
Category **Non-Inhalable Concentrate**
Received **August 08, 2022**

ANALYTICAL RESULTS

Analysis **Terpene Profile**

Instrument **Gas Chromatography Mass Spectrometry (GC/MS)**
Method **American Herbal Pharmacopoeia**
Analysis Date **August 08, 2022 to August 11, 2022**

Terpene	mg/g	%
α -Pinene	0.516	0.0516
Isopulegol	ND	ND
Camphene	0.028	0.0028
Menthol	ND	ND
β -Myrcene	0.035	0.0035
(-)-Borneol	ND	ND
β -Pinene	0.293	0.0293
Terpineol	0.073	0.0073
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.707	0.0707
Geraniol	ND	ND
α -Terpinene	0.016	0.0016
β -Caryophyllene	0.681	0.0681
trans-beta-Ocimene	ND	ND
α -Humulene	0.184	0.0184
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	0.093	0.0093
trans-Nerolidol	ND	ND
Eucalyptol	0.088	0.0088
Guaiol	ND	ND
γ -Terpinene	BLOQ	BLOQ
Caryophyllene Oxide	0.114	0.0114
Terpinolene	ND	ND
α -Bisabolol	0.217	0.0217
Linalool	0.494	0.0494
Eudesmol	0.051	0.0051
Total Terpenes	3.59	0.359

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

Reported by
Anresco, Inc.


Jordean Vargas
Analyst



August 11, 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".

August 10, 2022

SUNSOIL
Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 536684
Sample No. 1135582

SAMPLE INFORMATION

Description **HW200622C**
PO# **August5,2022**
Category **Non-Inhalable Concentrate**
Received **August 08, 2022**

ANALYTICAL RESULTS

Analysis **Glyphosate**
Instrument **LC-MS/MS**
Method **Anresco MF 2P033**

Analysis Date **August 08, 2022 to August 10, 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

August 10, 2022

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

June 27, 2022

SUNSOIL
Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 535407
Sample No. 1131071

SAMPLE INFORMATION

Description **HW200622C**
PO# **June21,2022**
Category **Non-Inhalable Concentrate**
Received **June 23, 2022**

ANALYTICAL RESULTS

Analysis **Cannabinoid Profile**

Instrument **Liquid Chromatography Diode Array Detector (LC-DAD)**
Method **MF-CHEM-15**
Analysis Date **June 23, 2022 to June 27, 2022**

Cannabinoid	mg/g	%
Δ^8 -THC	ND	ND
Δ^9 -THC	1.23	0.123
Δ^9 -THCA	ND	ND
THCV	ND	ND
THCVA	ND	ND
CBD	43.89	4.389
CBDA	2.37	0.237
CBC	2.19	0.219
CBCA	ND	ND
CBDV	ND	ND
CBG	0.73	0.073
CBGA	ND	ND
CBN	<LOQ	<LOQ
Total THC	1.23	0.123
Total CBD	45.97	4.597
Total Cannabinoids	50.11	5.011
Sum of Cannabinoids	50.41	5.041

Reported by
Anresco, Inc.



Eric Tam
Senior Chemist

June 27, 2022

Limit of Detection: 0.1333 mg/g
Limit of Quantitation: 0.4 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
LOD = Limit of Detection
Total THC = Δ^9 -THC + (0.877 * Δ^9 -THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

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