



# CERTIFICATE OF ANALYSIS

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

Bottle Lot Number: 13083-54288  
Batch Number: HW010822B  
Manufacture Date: November 2022  
Best By Date: November 2024  
Strength: 20mg CBD per serving / 300mg CBD per 15ml bottle/ 600mg per 30ml bottle/  
1200mg per 60ml bottle

<b><u>Cannabinoid:</u></b>	<b><u>mg/g (oil potency)</u></b>	<b><u>mg/ml (serving potency)</u></b>	<b><u>% by weight</u></b>
CBD	21.57	21.01	0.22
CBDV	<LOQ	<LOQ	<LOQ
CBDa	1.60	1.56	0.02
CBG	0.33	0.32	0.00
CBGa	<LOQ	<LOQ	<LOQ
CBC	1.27	1.24	0.01
CBN	<LOQ	<LOQ	<LOQ
$\Delta$ 9-THC	0.62	0.60	0.01
THCa	<LOQ	<LOQ	<LOQ
<b>Total THC</b>	<b>0.62</b>	<b>0.60</b>	<b>0.01</b>
<b>Total CBD</b>	<b>22.98</b>	<b>22.38</b>	<b>0.23</b>
<b>Total Cannabinoids</b>	<b>25.39</b>	<b>24.73</b>	<b>0.25</b>

*\*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](mailto:info@sunsoil.com)



SUNSOIL®

# CERTIFICATE OF ANALYSIS

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

Bottle Lot Number: 13083-54288  
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Manufacture Date: November 2022  
Best By Date: November 2024  
Strength: 20mg CBD per serving / 300mg CBD per 15ml bottle/ 600mg per 30ml bottle/  
1200mg per 60ml bottle

<b>Heavy Metals</b>	<b>Pass/Fail</b>	<b>Specification</b>
Arsenic	Pass	USP <2232>
Cadmium	Pass	USP <2232>
Lead	Pass	USP <2232>
Mercury	Pass	USP <2232>

<b>Microbiological Testing</b>	<b>Pass/Fail</b>	<b>Specification</b>
Aerobic Plate Count	Pass	USP <2023>
Yeast and Mold	Pass	USP <2023>
E.coli	Pass	Not Detected
Salmonella	Pass	Not Detected

<b>Glyphosate Testing</b>	<b>Pass/Fail</b>	<b>Specification</b>
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 •



September 22, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 537848  
Sample No. 1139216

**SAMPLE INFORMATION**

**Description** HW010822B  
**PO#** SEPT16,2022  
**Category** Non-Inhalable Concentrate  
**Received** September 19, 2022

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Method** MF-CHEM-15  
**Analysis Date** September 19, 2022 to September 22, 2022

Cannabinoid	mg/g	%
Δ8-THC	ND	ND
Δ9-THC	0.62	0.062
Δ9-THCA	ND	ND
THCV	ND	ND
THCVA	ND	ND
CBD	21.57	2.157
CBDA	1.60	0.160
CBC	1.27	0.127
CBCA	ND	ND
CBDV	ND	ND
CBG	0.33	0.033
CBGA	ND	ND
CBN	ND	ND
Total THC	0.62	0.062
Total CBD	22.98	2.298
Total Cannabinoids	25.19	2.519
Sum of Cannabinoids	25.39	2.539

Reported by  
**Anresco, Inc.**



Eric Tam  
Senior Chemist

September 22, 2022

Limit of Detection: 0.067 mg/g  
Limit of Quantitation: 0.2 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
LOD = Limit of Detection  
Total THC = Δ9-THC + (0.877 \* Δ9-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](mailto:compliance@anresco.com)".

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401 United States

<b>Sample Name:</b>	<b>HW010822B</b>	<b>Eurofins Sample:</b>	<b>12184269</b>
<b>Project ID</b>	SUNSOIL-20220916-0027	<b>Receipt Date</b>	19-Sep-2022
<b>PO Number</b>	NA	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	16-Sep-2022
		<b>Date Started</b>	19-Sep-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-17E748AA

Analysis	Result
<b>Salmonella BAM</b>	
Salmonella	Negative /25 g

Method References	Testing Location
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<b>Salmonella BAM (SALA)</b>	<b>EML New Berlin</b> 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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<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistr</b>
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

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

Analysis	Result
<b>E.coli and Coliforms (Petrifilm)</b>	
Total coliforms	<10 CFU/g
Escherichia Coli	<10 CFU/g

Method References	Testing Location
<b>E.coli and Coliforms (Petrifilm) (ECCOLIPET)</b>	<b>EML New Berlin</b>
AOAC 991.14	2345 S 170th St New Berlin, WI 53151 USA

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistr</b>
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## Certificate of Analysis

### Sunsoil

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Burlington Vermont 05401 United States

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<b>Project ID</b>	SUNSOIL-20220916-0027	<b>Receipt Date</b>	19-Sep-2022
<b>PO Number</b>	NA	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	16-Sep-2022
		<b>Date Started</b>	19-Sep-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-17E748AA

Analysis	Result
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

Method References	Testing Location
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<b>Elements by ICP Mass Spectrometry (ICP_MS_S)</b>	<b>Food Integrity Innovation-Madison</b> 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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<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b>
<p>Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375</p>	

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September 23, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 537848  
Sample No. 1139216

## SAMPLE INFORMATION

**Description** HW010822B  
**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	0.148	0.0148
Isopulegol	ND	ND
Camphene	0.015	0.0015
Menthol	4.694	0.4694
β-Myrcene	0.049	0.0049
(-)-Borneol	ND	ND
β-Pinene	0.191	0.0191
Terpineol	0.100	0.0100
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.348	0.0348
Geraniol	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	0.664	0.0664
trans-beta-Ocimene	0.038	0.0038
α-Humulene	0.108	0.0108
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	ND	ND
trans-Nerolidol	0.052	0.0052
Eucalyptol	0.774	0.0774
Guaiol	ND	ND
γ-Terpinene	0.033	0.0033
Caryophyllene Oxide	0.105	0.0105
Terpinolene	ND	ND
α-Bisabolol	0.117	0.0117
Linalool	0.059	0.0059
Eudesmol	0.061	0.0061
<b>Total Terpenes</b>	<b>7.556</b>	<b>0.7556</b>

If there are any questions with this report, please contact "[compliance@anresco.com](mailto: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

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September 22, 2022

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Sample No. 1139216

## SAMPLE INFORMATION

Description HW010822B  
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	0.43	0.85	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected



Eric Tam  
Senior Chemist

September 22, 2022

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