



SUNSOIL®

## Certificate of Analysis

### Capsules- Full Spectrum Hemp Extract – 20MG CBD

Lot Number: HW290721F  
Date of Production: July 2021  
Best By Date: July 2024  
Strength: 20mg CBD per capsule/600mg CBD per 30ct bottle/1,800mg per 90ct bottle

<u>Cannabinoid</u>	<u>mg/g (oil potency)</u>	<u>mg/capsule (capsule potency)</u>	<u>% weight</u>
CBD	31.94	20.76	3.19
CBDV	0.21	0.14	0.02
CBDa	0.34	0.22	0.03
CBG	0.51	0.33	0.05
CBGa	ND	ND	ND
CBC	1.57	1.02	0.16
CBN	<LOQ	<LOQ	<LOQ
Δ9-THC	0.96	0.62	0.1
THCa	ND	ND	ND
<b>Total THC</b>	<b>0.96</b>	<b>0.62</b>	<b>0.1</b>
<b>Total CBD</b>	<b>32.23</b>	<b>20.95</b>	<b>3.22</b>
<b>Total Cannabinoids</b>	<b>35.61</b>	<b>23.15</b>	<b>3.56</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".

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

<u>Microbiological Testing</u>	<u>Pass/Fail</u>	<u>Specification</u>
Aerobic Plate Count	Pass	USP <2232>
Yeast and Mold	Pass	USP <2232>
E. coli	Pass	Not Detected
Salmonella sp.	Pass	Not Detected

<u>Glyphosate Testing</u>	<u>Pass/Fail</u>	<u>Specification</u>
Glyphosate	Pass	Not Detected

<u>Residual Solvents</u>	<u>Pass/Fail</u>	<u>Specification</u>
Residual Solvent Screen	Pass	USP OVI <467>

*Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although Sunsoil believes the above information to be accurate based on the information available to Sunsoil, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Sunsoil meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Sunsoil standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.*

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August 25, 2021

**SUNSOIL**

Jacob Goldstein  
 180 Battery Street  
 Burlington, VT 05401

Order No. 526557  
 Sample No. 1093045

**SAMPLE INFORMATION**

Description: Final Blend  
 Lot Number: HW290721f  
 Category (Type): Non-Inhalable Concentrate (Other)  
 Received: August 20, 2021

**ANALYTICAL RESULTS**

Analysis: Residual Solvent Screen ✔ Pass  
 Instrument: Gas Chromatography Mass Spectrometry (GC/MS)  
 Method: USP OVI<467>  
 Analysis Date: August 20, 2021 to August 25, 2021

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.1/1	ND	1	Pass
Acetone	50/150	ND	5000	Pass
Acetonitrile	4/12	ND	410	Pass
Benzene	0.1/1	ND	1	Pass
n-Butane	48/160	ND	5000	Pass
Chloroform	0.1/1	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	27/80	ND	5000	Pass
Ethyl ether	17/50	ND	5000	Pass
Ethylene oxide	0.5/1	ND	1	Pass
n-Heptane	1/4	ND	5000	Pass
n-Hexane	2/10	ND	290	Pass
Isopropyl alcohol	33/100	ND	5000	Pass
Methanol	50/150	ND	3000	Pass
Methylene chloride	0.5/1	ND	1	Pass
n-Pentane	2/6	ND	5000	Pass
Propane	10/33	ND	5000	Pass
Toluene	10/30	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	30/90	ND	2170	Pass
Trichloroethylene	0.1/1	ND	1	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected




Jordan Vargas  
 Analyst

August 25, 2021

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

August 25, 2021

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Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 526557  
Sample No. 1093045

**SAMPLE INFORMATION**

**Description** Final Blend  
**Lot Number** HW290721f  
**Category (Type)** Non-Inhalable Concentrate (Other)  
**Received** August 20, 2021

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Method** MF12D012  
**Analysis Date** August 20, 2021 to August 25, 2021

Cannabinoid	mg/g	%
Δ8-THC	ND	ND
Δ9-THC	0.96	0.096
Δ9-THCA	ND	ND
THCV	ND	ND
THCVA	ND	ND
CBD	31.94	3.194
CBDA	0.34	0.034
CBC	1.57	0.157
CBCA	ND	ND
CBDV	0.21	0.021
CBG	0.51	0.051
CBGA	ND	ND
CBN	<LOQ	<LOQ
Total THC	0.96	0.096
Total CBD	32.23	3.223
Total Cannabinoids	35.61	3.561
Total Active Cannabinoids	35.57	3.557

Reported by  
**Anresco, Inc.**




Erin Cullison  
Analyst

August 25, 2021

Limit of Detection: 0.067 mg/g  
Limit of Quantitation: 0.2 mg/g  
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".

August 25, 2021

**SUNSOIL**

Jacob Goldstein  
 180 Battery Street  
 Burlington, VT 05401

Order No. 526557  
 Sample No. 1093045

**SAMPLE INFORMATION**

**Description** Final Blend  
**Lot Number** HW290721f  
**Category (Type)** Non-Inhalable Concentrate (Other)  
**Received** August 20, 2021

**ANALYTICAL RESULTS**

**Analysis** Terpene Profile  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** American Herbal Pharmacopoeia  
**Analysis Date** August 20, 2021 to August 25, 2021

Terpene	mg/g	%
α-Pinene	0.015	0.0015
Isopulegol	ND	ND
Camphene	ND	ND
Menthol	ND	ND
β-Myrcene	0.015	0.0015
(-)-Borneol	ND	ND
β-Pinene	BLOQ	BLOQ
Terpineol	ND	ND
δ-3-Carene	ND	ND
Citronellol	ND	ND
Limonene	BLOQ	BLOQ
Geraniol	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	0.238	0.0238
trans-beta-Ocimene	ND	ND
α-Humulene	0.062	0.0062
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	ND	ND
trans-Nerolidol	ND	ND
Eucalyptol	BLOQ	BLOQ
Gualol	BLOQ	BLOQ
γ-Terpinene	ND	ND
Caryophyllene Oxide	0.023	0.0023
Terpinolene	ND	ND
α-Bisabolol	0.116	0.0116
Linalool	ND	ND
Eudesmol	BLOQ	BLOQ
<b>Total Terpenes</b>	<b>0.47</b>	<b>0.0470</b>

Reported by  
**Anresco, Inc.**




Ginzhu Fung Guan  
 Analyst

August 25, 2021

Limit of Detection: 0.0004 %  
 Limit of Quantitation: 0.0013 %  
 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](mailto:compliance@anresco.com)".

August 25, 2021

**SUNSOIL**  
Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 526557  
Sample No. 1093045

## SAMPLE INFORMATION

Description Final Blend  
Lot Number HW290721f  
Category (Type) Non-Inhalable Concentrate (Other)  
Received August 20, 2021

## ANALYTICAL RESULTS

Analysis Water Activity  
Instrument Decagon  
Method MF 14G051  
Analysis Date August 20, 2021 to August 25, 2021

Analyte	Findings	Limit	Status
Water Activity	0.49	0.85	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected



Eric Tam  
Senior Chemist  
August 25, 2021

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

Anresco Laboratories [www.anresco.com](http://www.anresco.com)  
1375 Van Dyke Ave., San Francisco, CA 94124

Sample #: 1093045  
Batch #: HW290721f

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Report ID: T-2

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### Certificate of Analysis

#### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>Final Blend</b>	<b>Eurofins Sample:</b>	<b>10869047</b>
<b>Project ID</b>	SUNSOIL-20210818-0050	<b>Receipt Date</b>	21-Aug-2021
<b>PO Number</b>	08182021	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	HW290721F	<b>Login Date</b>	18-Aug-2021
<b>Sample Serving Size</b>	1 g	<b>Date Started Sampled</b>	24-Aug-2021 Sample results apply as received
		<b>Online Order</b>	15701-15DF9CC4

Analysis	Result
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**Industrial Hemp Cannabinoid Profile**

Total CBD (CBD + (CBDA x 0.877))	3.19 %
Total CBD (CBD + (CBDA x 0.877))	31.9 mg/g

**Salmonella BAM \***

Salmonella	Negative /25 g
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**Yeast and Mold Plate Count \***

Yeast Plate Count	<10 CFU/g
Mold Plate Count	<10 CFU/g

**Aerobic Plate Count \***

Standard Plate Count	<10 CFU/g
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**Elements by ICP Mass Spectrometry**

Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	5.31 ppb
Mercury	<5.00 ppb

**E.coli and Coliforms (Petrifilm) \***

Total coliforms	<10 CFU/g
Escherichia Coli	<10 CFU/g

Analysis	Limit	Result	Pass/Fail
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**Mycotoxins in Raw Materials**

Aflatoxin B1		<0.500 ppb	
Aflatoxin B2		<0.500 ppb	
Aflatoxin G1		<0.500 ppb	
Aflatoxin G2		<0.500 ppb	
Ochratoxin A	20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass

**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

\* This analysis or component is not ISO accredited.

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