

# Certificate of Analysis

507 Highland Drive  
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 www.eurofinsus.com/biodiagnostics

**Customer Name:** Sunsoil  
**Office:** Burlington, VT  
**Street Address:** 180 Bethany Street Ste 250  
**City, State, Zip:** Burlington, VT 05401  
**Phone:**

**Date Reported:** 05/29/2019  
**Date Completed:** 05/29/2019  
**Date Received:** 05/21/2019  
**Testing Method:** HPLC

Sample Information		Cannabinoid Name	ID	Weight %	Conc. mg/g	Conc. mg/mL
<b>Sample No:</b>	119081674	Cannabichromenic Acid	CBCA	ND	ND	
<b>Crop:</b>	Hemp, Industrial	Cannabicyclol	CBL	ND	ND	
<b>Variety:</b>	Sunsoil Full Spectrum CBD Oil, Unflavored	Cannabidiol	CBD	1.147	11.47	
<b>Lot:</b>	MCTU	Cannabidiolic Acid	CBDA	0.058	0.58	
<b>Seed Size:</b>		Cannabidivarin	CBDV	ND	ND	
<b>Customer Tracking#:</b>		Cannabidivarinic Acid	CBDVA	ND	ND	
<b>Seeds Per Pound:</b>		Cannabigerol	CBG	0.025	0.25	
<b>Batch:</b>	100014-5/6/19	Cannabigerolic Acid	CBGA	ND	ND	
<b>LIMS:</b>		Cannabichromene	CBC	0.078	0.78	
<b>IL:</b>		Cannabinol	CBN	ND	ND	
		Cannabinolic Acid	CBNA	ND	ND	
<b>Comments:</b>	LOQ= 50 ppm or 0.005 wt %	$\Delta^9$ -Tetrahydrocannabinol	$\Delta^9$ -THC	0.046	0.46	
		$\Delta^8$ -Tetrahydrocannabinol	$\Delta^8$ -THC	ND	ND	
		Tetrahydrocannabinolic Acid A	THCA-A	ND	ND	
		Tetrahydrocannabivarin	THCV	ND	ND	
		Tetrahydrocannabivarinic Acid	THCVA	ND	ND	
		<b>Total Cannabinoids</b>		1.354	13.54	
		<b>Total THC*</b>		0.046	0.46	



\*Total THC is calculated as the sum of  $\Delta^9$ -THC +  $\Delta^8$ -THC + (THCA-A \* 0.877) + THCV + (THCV-A \* 0.877).

Eurofins BioDiagnostics, Inc. warrants that it uses due care when performing tests for its customers. However, testing results are only reflective of the sample submitted by the customer. Eurofins BioDiagnostics, Inc. does not warrant the sample is representative of the seed lot from which the sample is drawn. Except for the testing services provided, Eurofins BioDiagnostics, Inc. makes no warranties or guarantees of any kind, expressed or implied, with respect to the services rendered.



*Joseph Zalusky*

**Joseph Zalusky**  
 Approved Chemist, Gas Chromatography  
 American Oil Chemists' Society (AOCS)

**ANALYZED BY:**

Anresco Laboratories  
1375 Van Dyke Avenue,  
San Francisco, CA 94124  
C8-0000052-LIC

**MANUFACTURER:**

Sunsoil  
Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401



**SAMPLE INFORMATION**

**Sample No.:** 1043711  
**Product Name:** MCTU  
**Matrix:** Edible

**Date Received:** 02/05/2020  
**Date Reported:** 02/10/2020

**TEST SUMMARY**

**Heavy Metal Screen:** ✔ Pass  
**Other Analyses:**  
**Overall:** ✔ Pass

**MICROBIOLOGICAL SCREEN**

02/07/2020

Analysis	Method	Finding
SPC	FDA BAM	<10 cfu/g
Yeast	AOAC 2014.05	<10 cfu/g
Mold	AOAC 2014.05	<10 cfu/g
Coliforms	FDA BAM - ECC Agar	<10 cfu/g
E. coli	FDA BAM - ECC Agar	<10 cfu/g
Salmonella	AOAC 2016.01	Negative/1g
STEC	3M MDS STEC/EAE	Negative/1g

**HEAVY METAL SCREEN** ✔ Pass

02/06/2020

**Method:** MF 24E020  
**Instrument:** ICP-MS

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3.0	Pass
Lead	0.02/0.05	0.05	0.5	Pass

**OTHER ANALYSES**

Analyte	Method	Instrument	Finding	LOD	LOQ	Date Completed
Glyphosate	Anresco MF 2P030	LC-MS/MS	None Detected	2	5	02/10/2020
AMPA	Anresco MF 2P030	LC-MS/MS	None Detected	2	5	02/10/2020

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

**Reported by**



Vu Lam  
Lab Co Director



Scan to verify



SUNSOIL®

## CERTIFICATE OF ANALYSIS

### UNFLAVORED - FULL SPECTRUM HEMP EXTRACT – 10MG CBD

Batch Number: MCTU  
Manufacture Date: February 2019  
Best By Date: February 2021  
Strength: 10mg CBD per milliliter (ml) / 600mg CBD per 60ml (2oz) bottle

<u>Cannabinoid:</u>	<u>mg/ml (oil potency)</u>	<u>% weight</u>
CBD	10.5	
CBDV	ND	
CBDa	0.53	
CBG	0.23	
CBGa	ND	
CBC	0.72	
CBN	ND	
Δ <sup>9</sup> -THC	0.42	0.046
THCa	ND	ND
<b>Total THC</b>	<b>0.42</b>	<b>0.046</b>
<b>Total CBD</b>	<b>11.03</b>	
<b>Total Cannabinoids</b>	<b>12.51</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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## CERTIFICATE OF ANALYSIS

### ***UNFLAVORED- FULL SPECTRUM HEMP EXTRACT – 10MG CBD***

Bottle Lot Number: MCTU  
Batch Number: MCTU  
Manufacture Date: February 2019  
Best By Date: February 2021  
Strength: 10mg CBD per milliliter (ml) / 600mg CBD per 60ml (2oz) 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

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