

# Certificate of Analysis

507 Highland Drive  
 River Falls, WI, 54022  
 Phone: (715) 426-0246  
 Fax: (715) 426-0251  
 www.eurofinsus.com/biodiagnostics

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

**Date Reported:** 03/20/2019  
**Date Completed:** 03/20/2019  
**Date Received:** 03/18/2019  
**Testing Method:** HPLC-DAD

Sample Information	Cannabinoid Name	ID	Weight %	Conc. mg/g	Conc. mg/capsule
<b>Sample No:</b> 119051529	Cannabichromenic Acid	CBCA	0.024	0.24	0.12
<b>Crop:</b> Hemp, Industrial	Cannabicyclol	CBL	0.006	0.06	0.03
<b>Variety:</b> Full Spectrum Hemp Extract, 600mg	Cannabidiol	CBD	4.055	40.55	20.83
<b>Lot:</b> D90550130	Cannabidiolic Acid	CBDA	0.321	3.21	1.65
<b>Seed Size:</b>	Cannabidivarin	CBDV	ND	ND	ND
<b>Customer Tracking#:</b> Average fill weight 513.7 mg	Cannabidivarinic Acid	CBDVA	ND	ND	ND
<b>Seeds Per Pound:</b>	Cannabigerol	CBG	0.078	0.78	0.40
<b>Batch:</b>	Cannabigerolic Acid	CBGA	ND	ND	ND
<b>LIMS:</b>	Cannabichromene	CBC	0.318	3.18	1.63
<b>IL:</b>	Cannabinol	CBN	0.005	0.05	0.02
<b>Comments:</b>	Cannabinolic Acid	CBNA	ND	ND	ND
	$\Delta^9$ -Tetrahydrocannabinol	$\Delta^9$ -THC	0.160	1.60	0.82
	$\Delta^8$ -Tetrahydrocannabinol	$\Delta^8$ -THC	ND	ND	ND
	Tetrahydrocannabinolic Acid A	THCA-A	ND	ND	ND
	Tetrahydrocannabivarin	THCV	ND	ND	ND
	Tetrahydrocannabivarinic Acid	THCVA	ND	ND	ND
	Total Cannabinoids		4.967	49.67	25.51
	Total THC*		0.160	1.60	0.82



\*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*

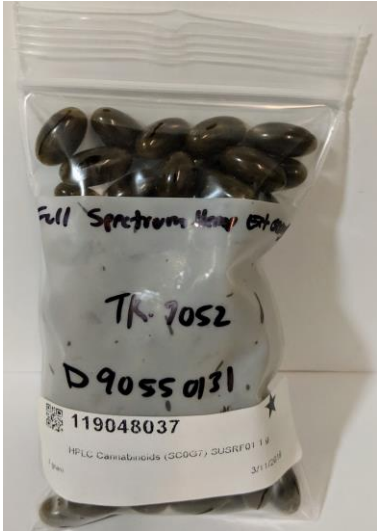
Joseph Zalusky  
 Approved Chemist, Gas Chromatography  
 American Oil Chemists' Society (AOCS)

# Certificate of Analysis

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

**Date Reported:** 03/14/2019  
**Date Completed:** 03/13/2019  
**Date Received:** 03/11/2019  
**Testing Method:** HPLC

Sample Information		Cannabinoid Name	ID	Weight %	Conc. mg/g	Conc. mg/capsule
<b>Sample No:</b>	119048037	Cannabichromenic Acid	CBCA	0.023	0.23	0.12
<b>Crop:</b>	Hemp, Industrial	Cannabicyclol	CBL	0.005	0.05	0.03
<b>Variety:</b>	Full Spectrum Hemp Extract, 500mg	Cannabidiol	CBD	4.110	41.10	20.79
<b>Lot:</b>	D90550131	Cannabidiolic Acid	CBDA	0.321	3.21	1.62
<b>Seed Size:</b>		Cannabidivarin	CBDV	0.080	0.80	0.40
<b>Customer Tracking#:</b>	Fill weight 505.8 mg/capsule	Cannabidivarinic Acid	CBDVA	<LOQ	<LOQ	<LOQ
<b>Seeds Per Pound:</b>		Cannabigerol	CBG	0.075	0.75	0.38
<b>Batch:</b>		Cannabigerolic Acid	CBGA	0.010	0.10	0.05
<b>LIMS:</b>		Cannabichromene	CBC	0.311	3.11	1.57
<b>IL:</b>		Cannabinol	CBN	<LOQ	<LOQ	<LOQ
<b>Comments:</b>		Cannabinolic Acid	CBNA	ND	ND	ND
		$\Delta$ 9-Tetrahydrocannabinol	$\Delta$ 9-THC	0.146	1.46	0.74
		$\Delta$ 8-Tetrahydrocannabinol	$\Delta$ 8-THC	ND	ND	ND
		Tetrahydrocannabinolic Acid A	THCA-A	0.006	0.06	0.03
		Tetrahydrocannabivarin	THCV	0.005	0.05	0.03
		Tetrahydrocannabivarinic Acid	THCVA	ND	ND	ND
		Total Cannabinoids		5.094	50.94	25.77
		Total THC*		0.158	1.58	0.80

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

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*Joseph Zalusky*

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 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.:** 1043702  
**Product Name:** D90550130  
**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

Analyte	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	<LOQ	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	ND	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

**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.:** 1043700  
**Product Name:** D90550131  
**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	ND	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**



Scan to verify



## CERTIFICATE OF ANALYSIS

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

Bottle Lot Number: 35629500  
Bulk Batch Number: D90550130/D90550131  
Manufacture Date: March 2019  
Best By Date: March 2021  
Strength: 20mg CBD per softgel / 600mg CBD per 30ct bottle / 1,800mg CBD per 90ct bottle

#### **Batch: D90550130**

<u>Cannabinoid:</u>	<u>mg/g (oil potency)</u>	<u>mg/capsule (softgel potency)</u>	<u>% weight</u>
CBD	40.55	20.83	
CBDV	ND	ND	
CBDa	3.21	1.65	
CBG	0.78	0.40	
CBGa	ND	ND	
CBC	3.18	1.63	
CBN	0.05	0.02	
$\Delta^9$ -THC	1.60	0.82	0.160
THCa	ND	ND	ND
<b>Total THC</b>	<b>1.60</b>	<b>0.82</b>	<b>0.160</b>
<b>Total CBD</b>		<b>22.28</b>	
<b>Total Cannabinoids</b>	<b>50.94</b>	<b>25.77</b>	

*\*This product contains less than 0.3% THC per hemp regulations*

LOQ = 0.005% or 0.05 mg/g

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

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

Bottle Lot Number: 35629500  
Bulk Batch Number: D90550130/D90550131  
Manufacture Date: March 2019  
Best By Date: March 2021  
Strength: 20mg CBD per softgel / 600mg CBD per 30ct bottle / 1,800mg CBD per 90ct bottle

**Batch: D90550131**

<b><u>Cannabinoid:</u></b>	<b><u>mg/g (oil potency)</u></b>	<b><u>mg/capsule (softgel potency)</u></b>	<b><u>% weight</u></b>
CBD	41.10	20.79	
CBDV	0.80	0.40	
CBDa	3.21	1.62	
CBG	0.75	0.38	
CBGa	0.10	0.05	
CBC	3.11	1.57	
CBN	<LOQ	<LOQ	
Δ <sup>9</sup> -THC	1.46	0.74	0.146
THCa	0.06	0.03	0.006
<b>Total THC</b>	<b>1.58</b>	<b>0.80</b>	<b>0.158</b>
<b>Total CBD</b>		<b>22.21</b>	
<b>Total Cannabinoids</b>	<b>50.94</b>	<b>25.77</b>	

*\*This product contains less than 0.3% THC per hemp regulations*

LOQ = 0.005% or 0.05 mg/g

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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180 Battery Street, Suite 250, Burlington, VT 05401 • [info@sunsoil.com](mailto:info@sunsoil.com)



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## CERTIFICATE OF ANALYSIS

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

Bottle Lot Number: 35629500  
Batch Number: D90550130/D90550131  
Manufacture Date: March 2019  
Best By Date: March 2021  
Strength: 20mg CBD per milliliter (ml) / 600mg CBD per 30ct bottle/1,800 mg CBD per 90ct 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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