

Certificate of Analysis

Sunsoil

180 Battery Street; Suite 250
Burlington Vermont 05401

| | | | |
|----------------------------|-----------------------|--------------------------|----------------------------------|
| Sample Name: | HW19121902 | Eurofins Sample: | 9138929 |
| Project ID | SUNSOIL-20191227-0011 | Receipt Date | 02-Jan-2020 |
| PO Number | CVD | Receipt Condition | Ambient temperature |
| Sample Serving Size | | Login Date | 27-Dec-2019 |
| | | Date Started | 02-Jan-2020 |
| | | Sampled | Sample results apply as received |
| | | Online Order | 15701-12C8B0D9 |

| Analysis | Result |
|--|------------|
| Industrial Hemp Cannabinoid Profile | |
| CBDVA | <0.00250 % |
| CBDV | 0.0134 % |
| CBDA | 0.0542 % |
| CBGA | <0.00250 % |
| CBG | 0.0351 % |
| CBD | 2.15 % |
| THCV | <0.00250 % |
| CBN | <0.00250 % |
| Delta 9-THC | 0.0750 % |
| Delta 8-THC | <0.00500 % |
| THCA | <0.00250 % |
| CBC | 0.115 % |
| Total Cannabinoids | 2.44 % |
| Total THC (THC + (THCA x 0.877)) | 0.0750 % |
| Total CBD (CBD + (CBDA x 0.877)) | 2.20 % |

| Method References | Testing Location |
|-------------------|------------------|
|-------------------|------------------|

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection, " First Action Method, Journal of AOAC International, Future Issue

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| Analysis | Result |
|---|---|
| Elements by ICP Mass Spectrometry | |
| Arsenic | <10.0 ppb |
| Cadmium | <5.00 ppb |
| Lead | <5.00 ppb |
| Mercury | <5.00 ppb |
| 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 | <1.00 ppb |
| Glyphosate and AMPA * | |
| Glyphosate | <100 ng/g |
| AMPA | <100 ng/g |
| Multi-Residue Analysis for hemp products - 60+ compounds | |
| Matrix Type - To Determine Limit of Quantification (LOQ) | Spices - Botanicals - and other Specialty Samples |
| Abamectin | <0.30 mg/kg |
| Aldicarb | <0.10 mg/kg |
| Aldicarb sulfone (Aldoxycarb) | <0.10 mg/kg |
| Aldicarb sulfoxide | <0.10 mg/kg |
| Azoxystrobin | <0.10 mg/kg |
| Bifenazate | <0.10 mg/kg |
| Bifenthrin | <0.10 mg/kg |
| Carbaryl | <0.10 mg/kg |
| Carbofuran | <0.10 mg/kg |
| Carbofuran-3-hydroxy- | <0.10 mg/kg |
| Chlorantraniliprole | <0.10 mg/kg |
| Chlordane, cis- | <0.10 mg/kg |
| Chlordane, trans- | <0.10 mg/kg |
| Chlorfenapyr | <0.10 mg/kg |
| Chlorpyrifos | <0.10 mg/kg |
| Coumaphos | <0.10 mg/kg |
| Cyfluthrin | <0.10 mg/kg |
| Cypermethrin | <0.10 mg/kg |

* This analysis or component is not ISO accredited.

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| | | Online Order | 15701-12C8B0D9 |

Analysis

Result

Salmonella BAM

Salmonella

Negative /25 mL

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

E.coli and Coliforms (Petrifilm)

Total coliforms

<10 CFU/g

Escherichia Coli

<10 CFU/g

Method References

Testing Location

Aerobic Plate Count (APC)

EML New Berlin

FDA BAM Ch. 3

AOAC 966.23

CMMEF Ch. 8

E.coli and Coliforms (Petrifilm) (ECCOLIPET)

EML New Berlin

AOAC 991.14

Industrial Hemp Cannabinoid Profile (IHCBD_S)

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Salmonella BAM (SALA)

Food Integ. Innovation-Madison NE

Bacteriological Analytical Manual, Chapter 5, 8th Edition, 2006. Food and Drug Administration, AOAC International: Gaithersburg, Maryland. Modified.

May 29, 2020

SUNSOIL

Jacob Goldstein
180 Battery Street
Burlington, VT 05401

Order No. 513517
Sample No. 1050930

SAMPLE INFORMATION

Description HW19121902
Lot Number HW19121902
Category (Type) Edible
Received May 21, 2020

ANALYTICAL RESULTS

Method Analysis Date May 21, 2020 to May 29, 2020

| Analyte | Method | Finding | LOD | LOQ |
|------------|-----------------|---------------|-------|-------|
| Glyphosate | Anresco MF2P030 | None Detected | 2 ppb | 5 ppb |
| AMPA | Anresco MF2P030 | None Detected | 2 ppb | 5 ppb |

Reported by
Anresco, Inc.




Cathy Cheng
Analyst

May 29, 2020



CERTIFICATE OF ANALYSIS

Unflavored - FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 37069600
Bulk Batch Number: HW19121902
Manufacture Date: December 2019
Best By Date: December 2021
Strength: 20mg CBD per milliliter (ml) / 1200mg CBD per 60ml (2oz) bottle

| <u>Cannabinoid:</u> | <u>mg/g (oil potency)</u> | <u>mg/ml (oil potency)</u> | <u>% weight</u> |
|----------------------------|----------------------------------|-----------------------------------|------------------------|
| CBD | 21.5 | 20.37 | 2.15 |
| CBDV | 0.134 | 0.13 | 0.0134 |
| CBDa | 0.542 | 0.51 | 0.0542 |
| CBG | 0.351 | 0.33 | 0.0351 |
| CBGa | <0.025 | <0.02 | <0.0025 |
| CBC | 1.15 | 1.09 | 0.115 |
| CBN | <0.025 | <0.02 | <0.0025 |
| Δ^9 -THC | 0.750 | 0.71 | 0.075 |
| THCa | <0.025 | <0.02 | <0.0025 |
| Total THC | 0.750 | 0.71 | 0.075 |
| Total CBD | 22.0 | 20.85 | 2.20 |
| Total Cannabinoids | 24.4 | 23.12 | 2.44 |

**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 •

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CERTIFICATE OF ANALYSIS

UNFLAVORED- FULL SPECTRUM HEMP EXTRACT – 20MG CBD

Bottle Lot Number: 37069600
Batch Number: HW19121902
Manufacture Date: December 2019
Best By Date: December 2021
Strength: 20mg CBD per milliliter (ml) / 1200mg CBD per 60ml (2oz) 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 |

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