



## The Trusted Lab

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The **TRUSTED** Lab  
The CBD Company

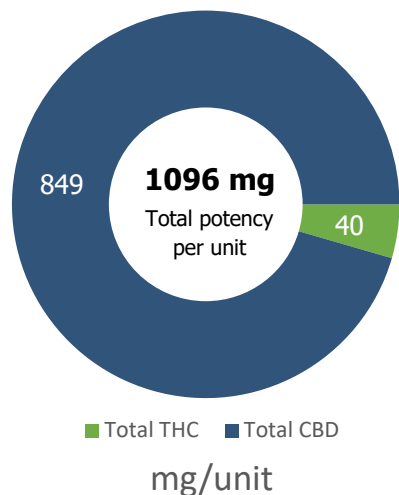
## Muscle and Joint Salve Extra Strength 1,000 FS CBD (1oz)

<b>Order ID#:</b>	<b>20210406-735</b>	<b>Lab Code#:</b>	LC-20210406-1919
<b>Product Type:</b>	Personal care	<b>Date sampled:</b>	2-Apr-2021
<b>Lot Number:</b>	NA	<b>Date received:</b>	5-Apr-2021
<b>Batch Number:</b>	NA	<b>Completed:</b>	19-Apr-2021
		<b>Report expires:</b>	19-Apr-2022

## SAFETY ANALYSIS

<b>Microbials</b> <b>PASS</b>	<b>Mycotoxins</b> <b>PASS</b>	<b>Pesticides</b> <b>PASS</b>	<b>Metals</b> <b>PASS</b>	<b>Solvents</b> <b>PASS</b>
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## CANNABINOID PROFILE



**Fill Weight (g)**  
28.35

**Total THC**  
**Pass**

## TOP TERPENES PROFILE (ppm)



Terpene	Result (ppm)	Result (%)
<i>Eucalyptol</i>	6730.81	0.67308
<i>D-Limonene</i>	3274.27	0.32743
<i>β-Myrcene</i>	3127.73	0.31277
<i>α-Pinene</i>	1913.03	0.19130
<i>β-Pinene</i>	975.116	0.09751
<i>γ-Terpinene</i>	587.936	0.05879

## FILTH AND FOREIGN MATERIAL



**PASS**

**Analysis Batch:** WO-21040708  
**Analysis Date:** 16-Apr-2021  
**Instrument:** Microscope I-39



## WATER DETERMINATIONS

**Analysis Batch:** WO-21040707  
**Analysis Date:** 16-Apr-2021  
**Result:** 0.5173  
**Instrument:** 140

## Comments:

None.

## Authorization



Steven Perez, Laboratory Director  
Approval Date: 19-Apr-2021

Test results are based solely upon the test article submitted to Americana Laboratories, LLC in the condition it was received. Americana Laboratories, LLC warrants that all analytical work was conducted in a professional manner in accordance with the requirements of ISO/IEC 17025:2017 (#102139), such as comparison to Certified Reference Materials and NIST traceable Reference Standards. This report shall not be reproduced, except in its entirety, without the written approval of Americana Laboratories, LLC. Test results are confidential unless explicitly waived. Void after 1 year from test end date.

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## CANNABINOIDS

Analyte	%	mg/g	mg/unit	LOD (%)
THCA-A	0.0331	0.3312	9.389	0.0006
Δ9-THC	0.112	1.117	31.66	0.0006
CBDA	0.0182	0.1825	5.173	0.0006
CBD	2.98	29.80	844.9	0.0060
CBN	0.0117	0.1170	3.316	0.0006
CBDV	ND	ND	ND	0.0006
Δ8-THC	ND	ND	ND	0.0006
THCV	0.710	7.100	201.3	0.0006
CBG	ND	ND	ND	0.0006
CBGA	ND	ND	ND	0.0006
CBC	ND	ND	ND	0.0006

Total THC <sup>a</sup> 1.41 mg/g

0.141%

Total CBD <sup>b</sup> 30 mg/g

849 mg/unit

TOTAL <sup>c</sup> 38.6 mg/g

1096 mg/unit

**Analysis Batch:** WO-21040706  
**Analysis Date:** Wednesday, April 14, 2021  
**Test Method:** SOP 6.6 (HPLC)  
**Instrument:** Agilent HPLC Instrument 33

<sup>a</sup> Total THC is calculated as THC + (THCA × 0.877).  
<sup>b</sup> Total CBD is calculated as CBD + (CBDA × 0.877).  
<sup>c</sup> Total cannabinoids is the absolute sum of all cannabinoids above the level of detection.

## TERPENES

Analyte	Result (µg/g)	Result (%)
α-Bisabolol	ND	ND
α-Humulene	7.0	0.00070
α-Pinene	1913	0.19130
α-Terpinene	552.1	0.05521
β-Caryophyllene	27	0.00266
β-Myrcene	3128	0.31277
β-Ocimene 1	ND	ND
β-Ocimene 2	ND	ND
β-Pinene	975.1	0.09751
Camphene	370.8	0.03708
Caryophyllene-oxide	ND	ND
δ-3-Carene	74.96	0.00750

LOD = 0.0002%

Analyte	Result (µg/g)	Result (%)
D-Limonene	3274	0.32743
Eucalyptol	6731	0.67308
γ-Terpinene	587.9	0.05879
Geraniol	ND	ND
Guaiol	2.440	0.00024
Isopulegol	427.8	0.04278
Linalool	93.07	0.00931
Nerolidol 1	ND	ND
Nerolidol 2	ND	ND
p-Cymene	ND	ND
Terpinolene	60.13	0.00601

**Total Terpenes:** 18223.8 1.8224

**Total (µg/unit):** 516644.7

**Analysis Batch:** WO-21040710  
**Analysis Date:** Friday, April 16, 2021

**Test Method:** SOP 6.9  
**Instrument:** Agilent GC-FID/MS, Instrument 36

## Comments:

None.

## Authorization



Steven Perez, Laboratory Director  
 Approval Date: 19-Apr-2021

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## PESTICIDES

Analyte	Action Level	Result (µg/g)
Abamectin	0.30	ND - Pass
Acephate	3.00	ND - Pass
Acequinocyl	2.00	ND - Pass
Acetamiprid	3.00	ND - Pass
Aldicarb	0.10	ND - Pass
Azoxystrobin	3.00	ND - Pass
Bifenazate	3.00	ND - Pass
Carbaryl	0.50	ND - Pass
Carbofuran	0.10	ND - Pass
Chlorantraniliprole	3.00	ND - Pass
Chlorfenapyr	0.05	ND - Pass
Chlorpyrifos	0.10	ND - Pass
Coumaphos	0.10	ND - Pass
Daminozide	0.10	ND - Pass
Diazinon	0.20	ND - Pass
Dichlorvos	0.10	ND - Pass
Dimethoate	0.10	ND - Pass
Dimethomorph (I/II)	3.00	ND - Pass
Ethoprophos	0.10	ND - Pass
Etofenprox	0.10	ND - Pass
Etoazole	1.50	ND - Pass
Fenhexamid	3.00	ND - Pass
Fenoxycarb	0.10	ND - Pass
Fenpyroximate	2.00	ND - Pass
Fipronil	0.10	ND - Pass
Flonicamid	2.00	ND - Pass
Fludioxonil	3.00	ND - Pass

LOD = 0.01 µg/g

Analyte	Action Level	Result (µg/g)
Hexythiazox	2.00	ND - Pass
Imazalil	0.10	ND - Pass
Imidacloprid	1.00	ND - Pass
Kresoxim methyl	1.00	ND - Pass
Malathion	3.00	ND - Pass
Metalaxyl	0.10	ND - Pass
Methiocarb	0.10	ND - Pass
Methomyl	0.10	ND - Pass
Mevinphos (I/II)	0.10	ND - Pass
Myclobutanil	3.00	ND - Pass
Naled	0.50	ND - Pass
Oxamyl	1.50	ND - Pass
Phosmet	0.20	ND - Pass
Piperonyl butoxide	3.00	ND - Pass
Prallethrin	0.40	ND - Pass
Propiconazole	1.00	ND - Pass
Propoxur	2.10	ND - Pass
Pyrethrins	1.00	ND - Pass
Pyridaben	3.00	ND - Pass
Spinetoram (J/L)	3.00	ND - Pass
Spinosad A + D	3.00	ND - Pass
Spiromesifen	3.00	ND - Pass
Spirotetramat	3.00	ND - Pass
Spiroxamine (I/II)	0.10	ND - Pass
Tebuconazole	1.00	ND - Pass
Thiacloprid	0.10	ND - Pass
Thiamethoxam	1.00	ND - Pass
Trifloxystrobin	3.00	ND - Pass

**Analysis Batch:**

WO-21040712

**Analysis Date:**

Thursday, April 15, 2021

**Test Method:** SOP 6.7

**Instrument:** Agilent LC-MS/MS, Instrument 32

### Comments:

None.

### Authorization



Steven Perez, Laboratory Director

Approval Date: 19-Apr-2021

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## MYCOTOXINS

Analyte	Action Limit	Result	Report	LOD	Unit
Aflatoxin, Total	0.020	ND	Pass	0.005	µg/g
Ochratoxin A	0.020	ND	Pass	0.005	µg/g

\* Total Aflatoxin includes B1, B2, G1 and G2.

**Analysis Batch:** WO-21040712  
**Analysis Date:** Thursday, April 15, 2021

**Test Method:** SOP 6.7  
**Instrument:** Agilent LC-MS/MS, Instrument 32

## RESIDUAL SOLVENTS

Analyte	Action Level	Result (µg/g)
1,2-Dichloroethane	5	ND - Pass
Acetone	5000	ND - Pass
Acetonitrile	410	ND - Pass
Benzene	2	ND - Pass
Butane	2000	ND - Pass
Chloroform	60	ND - Pass
Ethanol	5000	ND - Pass
Ethyl Acetate	5000	ND - Pass
Ethyl Ether	5000	ND - Pass
Ethylene Oxide	5	ND - Pass

LOD = 20 µg/g

Analyte	Action Level	Result (µg/g)
Heptane	5000	ND - Pass
Hexane	290	ND - Pass
Isopropyl Alcohol	500	ND - Pass
Methanol	3000	ND - Pass
Methylene Chloride	600	ND - Pass
Pentane	5000	ND - Pass
Propane	2100	ND - Pass
Toluene	890	ND - Pass
Trichloroethylene	80	ND - Pass
Xylenes, Total	2170	ND - Pass

**Analysis Batch:** WO-21040713  
**Analysis Date:** Thursday, April 15, 2021

**Test Method:** SOP 6.8  
**Instrument:** Agilent GC-FID/MS, Instrument 36

## MICROBIAL CONTAMINANTS

Test	Report	Result	Specification
Shiga toxin-producing E.coli (STEC)	Pass	Absent	Present/Absent in 1 g
Salmonella	Pass	Absent	Present/Absent in 1 g
Listeria	Pass	Absent	Present/Absent in 1 g

**Analysis Batch:** WO-21040711  
**Analysis Date:** Friday, April 09, 2021

**Test Method:** SOP 6.11 (qPCR)  
**Instrument:** Agilent AriaMX, Instrument 43

## HEAVY METALS

Element	Report	Result	Action Limit	LOD	Unit
Lead	Pass	ND	0.50	0.050	µg/g
Arsenic	Pass	ND	1.5	0.050	µg/g
Mercury	Pass	ND	3.0	0.005	µg/g
Cadmium	Pass	ND	0.50	0.050	µg/g

**Analysis Batch:** WO-21040709  
**Analysis Date:** Thursday, April 15, 2021

**Test Method:** SOP 6.10  
**Instrument:** Agilent ICP/MS, Instrument 37

## Comments:

None.

## Authorization



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 Approval Date: 19-Apr-2021

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