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Elmore Mountain Therapeutics

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## ANALYTICAL REPORT

AR-21-UC-009930-01

**Client Code:** UC0000245  
**PO#:** EMT OG\_003

**Received On:** 05Nov2021  
**Reported On:** 19Nov2021

**Eurofins Sample Code:** 126-2021-11050099

**Sample Registration Date:** 05Nov2021

**Client Sample Code:** EMT OG\_003

**Condition Upon Receipt:** acceptable, 17.1°C

**Sample Description:** Lavender Balm

**Sample Reference:**
**FS001 - Heavy Metals (As, Cd, Hg, and Pb)**
**Reference**

AOAC 2011.19 and 993.14 (modified)

**Accreditation**

 ISO/IEC 17025:2017  
 A2LA 2918.01

**Completed**

19Nov2021

**Sub**

1

**Parameter**
**Result**

Arsenic	<10 ppb
Cadmium	<5.00 ppb
Lead	7.53 ppb
Mercury	<5.00 ppb

**FS00D - Industrial Hemp Cannabinoid Profile**
**Reference**

AOAC 2018.11

**Accreditation**

 ISO/IEC 17025:2017  
 A2LA 2918.01

**Completed**

17Nov2021

**Sub**

1

**Parameter**
**Result**

CBD	4.52 mg/g
CBDA	0.0939 mg/g
CBN	<0.0250 mg/g
Delta 9-THC	0.173 mg/g
THCA	<0.017 mg/g
CBC	0.128 mg/g
CBDVA	<0.004 mg/g
CBG	0.0463 mg/g
CBGA	<0.004 mg/g
CBDV	0.0304 mg/g
THCV	<0.008 mg/g
Total Cannabinoids	4.99 mg/g
Total THC (THC + (THCA x 0.877))	0.173 mg/g
Total CBD (CBD + (CBDA x 0.877))	4.6 mg/g
CBCA	<0.017 mg/g
CBL	<0.0250 mg/g

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AOAC 2018.11**Accreditation**  
ISO/IEC 17025:2017  
A2LA 2918.01**Completed**  
17Nov2021**Sub**  
1**Parameter****Result**

CBNA	<0.004 mg/g
Delta - 8 Tetrahydrocannabinol	None detected at detection limit of 0.00 mg/g
THCVA	<0.004 mg/g
Delta 8-THC	<0.017 mg/g

**FS0G7 - Residual Solvent Analysis****Reference**  
Internal method**Completed**  
17Nov2021**Sub**  
1**Parameter****Result**

2,2-Dimethylpentane	<50.0 ppm
1,2-Dichloroethane	<1.0 ppm
2,2,3-Trimethylbutane	<50.0 ppm
2,3-Dimethylpentane	<50.0 ppm
2,4-Dimethylpentane	<50.0 ppm
2,2-Dimethylbutane	<25.0 ppm
2,3-Dimethylbutane	<25.0 ppm
2-Methylhexane	<50.0 ppm
2-Methylpentane	<25.0 ppm
2-Propanol	<500 ppm
3,3-Dimethylpentane	<50.0 ppm
3-Ethylpentane	<50.0 ppm
3-Methylhexane	<50.0 ppm
3-Methylpentane	<25.0 ppm
Acetone	<200 ppm
Acetonitrile	<200 ppm
Benzene	<1.0 ppm
Sum of Butanes	<1,000 ppm
Chloroform	<1.0 ppm
Ethyl Ether	<500 ppm
Ethanol	<500 ppm
Ethyl Acetate	<500 ppm
Xylenes-1 (Ethylbenzene)	<40.0 ppm
Ethylene Oxide	<25.0 ppm
Isobutane (2-Methylpropane)	<500 ppm

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<b>FS0G7 - Residual Solvent Analysis</b>	<b>Reference</b> Internal method	<b>Completed</b> 17Nov2021	<b>Sub</b> 1
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Parameter	Result
Xylenes-2 (m- p-Xylene)	<140 ppm
Methanol	<500 ppm
Methylene Chloride	<1.0 ppm
n-Butane	<500 ppm
n-Heptane	<50.0 ppm
n-Hexane	<30.0 ppm
n-Pentane	<25.0 ppm
Xylenes-3 (o-Xylene)	<20.0 ppm
Sum of Petroleum Ether	<125 ppm
Propane	<1,000 ppm
Sum of Heptanes	<450 ppm
Sum of Xylenes	<200 ppm
Toluene	<90.0 ppm
Trichloroethylene	<1.0 ppm

<b>FSMRH - Mycotoxins in Hemp</b>	<b>Reference</b> Anal.Bioanal.Chem. (2012) 402:2675-2686	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 2918.01	<b>Completed</b> 17Nov2021	<b>Sub</b> 1
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Parameter	Result
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

<b>FSPHB - Multi-Residue Analysis for hemp</b>	<b>Reference</b> AOAC 2007.01 (mod.), EN 15662	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 2918.01	<b>Completed</b> 17Nov2021	<b>Sub</b> 1
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Parameter	Result
Abamectin	<0.30 mg/kg
Azoxystrobin	<0.10 mg/kg
Bifenazate	<0.10 mg/kg
Bifenthrin	<0.10 mg/kg
Cyfluthrin	<0.10 mg/kg
Dichlorvos	<0.10 mg/kg
Etoazole	<0.10 mg/kg

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AOAC 2007.01 (mod.), EN 15662

**Accreditation**ISO/IEC 17025:2017  
A2LA 2918.01**Completed**

17Nov2021

**Sub**

1

**Parameter****Result**

Fenoxycarb	<0.10 mg/kg
Imazalil (any ratio of constituent isomers)	<0.10 mg/kg
Imidacloprid	<0.10 mg/kg
Myclobutanil (sum of constituent isomers)	<0.10 mg/kg
Paclobutrazol	<0.10 mg/kg
Piperonyl butoxide	<0.10 mg/kg
Pyrethrum (total)	<1.0 mg/kg
Spinosad (spinosyns A and D)	<0.10 mg/kg
Spiromesifen	<0.10 mg/kg
Spirotetramat	<0.10 mg/kg
Trifloxystrobin	<0.10 mg/kg

**UM7NN - Total Combined Yeasts/Moulds Count - USP Chapter <61>****Reference**

U.S. Pharmacopeia Chapter 61

**Completed**

19Nov2021

**Sub**

2

**Parameter****Result**

Total Combined Yeasts/Moulds Count	<100 cfu/g
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**ZMDHP - Escherichia Coli - USP Chapter <62>****Reference**

U.S. Pharmacopeia Chapter 62

**Completed**

19Nov2021

**Sub**

2

**Parameter****Result**

Escherichia Coli	Not Detected per g
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**ZMDHS - Bile-Tolerant Gram Negative Bacteria - USP Chapter <62>****Reference**

U.S. Pharmacopeia Chapter 62

**Completed**

19Nov2021

**Sub**

2

**Parameter****Result**

Bile-Tolerant Gram Negative Bacteria	Not Detected per g
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**ZMDHU - Staphylococcus aureus - USP Chapter <62>****Reference**

U.S. Pharmacopeia Chapter 62

**Completed**

19Nov2021

**Sub**

2

**Parameter****Result**

Staphylococcus aureus	Not Detected per g
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**ZME8I - Total Aerobic Microbial Count - USP Chapter <61>****Reference**

U.S. Pharmacopeia Chapter 61

**Completed**

19Nov2021

**Sub**

2

**Parameter****Result**

Total Aerobic Microbial Count	50 (est) cfu/g
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<b>Sample Description:</b> Lavender Balm	<b>Sample Reference:</b>

<b>ZMEV4 - Salmonella - USP Chapter &lt;62&gt;</b>	<b>Reference</b> U.S. Pharmacopeia Chapter 62	<b>Completed</b> 19Nov2021	<b>Sub</b> 2
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<b>Parameter</b>	<b>Result</b>
Salmonella	Not Detected per 10 g


<b>ZMF8Q - Confirmation Clostridium spp. - USP Chapter &lt;62&gt;</b>	<b>Reference</b> U.S. Pharmacopeia Chapter 62	<b>Completed</b> 19Nov2021	<b>Sub</b> 2
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<b>Parameter</b>	<b>Result</b>
Clostridium spp.	Not Detected per g

**Subcontracting partners:**

- 1 - Eurofins Food Chemistry Testing US Madison, WI
- 2 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,




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Jordan Ramsby  
Deputy Supervisor and Team Leader

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