

Eurofins Microbiology Laboratories (New England)

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Elmore Mountain Therapeutics

Sarah Knowlton  
 4373 Elmore Mountain Rd  
 Morrisville, VT 05661

**Client Code:** UC0000245  
**PO#:** OG\_002

**Received On:** 11Aug2021  
**Reported On:** 26Aug2021

## ANALYTICAL REPORT

AR-21-UC-007126-01

**Eurofins Sample Code:** 126-2021-08110119

**Sample Registration Date:** 11Aug2021

**Client Sample Code:** EMT OG\_002

**Condition Upon Receipt:** acceptable, 31.5°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**

21Aug2021

**Sub**

3

**Parameter**

**Result**

Arsenic	<100 ppb
Cadmium	<50.0 ppb
Lead	<50.0 ppb
Mercury	<50.0 ppb

**FS00D - Industrial Hemp Cannabinoid Profile**

**Reference**

AOAC 2018.11

**Accreditation**

ISO/IEC 17025:2017  
 A2LA 2918.01

**Completed**

21Aug2021

**Sub**

3

**Parameter**

**Result**

CBD	0.504 %
CBDA	0.0128 %
CBN	<0.00250 %
Delta 9-THC	0.0242 %
THCA	<0.00250 %
CBC	0.0157 %
CBDVA	<0.00250 %
CBG	0.0055 %
CBGA	<0.00250 %
CBDV	0.0045 %
Delta 8-THC	<0.00500 %
THCV	<0.00250 %
Total Cannabinoids	0.567 %
Total THC (THC + (THCA x 0.877))	0.0242 %
Total CBD (CBD + (CBDA x 0.877))	0.515 %
CBCA	<0.00250 %

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Parameter	Result
CBL	<0.00250 %
CBNA	<0.00250 %
THCVA	<0.00250 %

**FS0G7 - Residual Solvent Analysis**

**Reference**  
Internal method

**Completed**  
21Aug2021

**Sub**  
3

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
Xylenes-2 (m- p-Xylene)	<140 ppm
Methanol	<500 ppm

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<b>Sample Description:</b> Lavender Balm	<b>Sample Reference:</b>

<b>FS0G7 - Residual Solvent Analysis</b>	<b>Reference</b> Internal method	<b>Completed</b> 21Aug2021	<b>Sub</b> 3
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Parameter	Result
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> 21Aug2021	<b>Sub</b> 3
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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> EN 15662	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 2918.01	<b>Completed</b> 21Aug2021	<b>Sub</b> 3
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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
Etoxazole	<0.10 mg/kg
Fenoxycarb	<0.10 mg/kg
Imazalil (any ratio of constituent isomers)	<0.10 mg/kg

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EN 15662**Accreditation**  
ISO/IEC 17025:2017  
A2LA 2918.01**Completed**  
21Aug2021**Sub**  
3**Parameter****Result**

Imidacloprid	<0.10 mg/kg
Myclobutanil	<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**  
19Aug2021**Sub**  
2**Parameter****Result**

Total Combined Yeasts/Moulds Count	< 10 cfu/g
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**UMGSH - Salmonella - USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
17Aug2021**Sub**  
1**Parameter****Result**

Salmonella	Not Detected per 10 g
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**ZMCLQ - Escherichia coli Suitability - U.S. Pharmacopeia Chapter 62****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
26Aug2021**Sub**  
4**Parameter****Result**

Escherichia coli Suitability	PASS per sample
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**ZMCLS - Salmonella spp. Suitability - USP <62>****Reference**  
USP <62>**Completed**  
26Aug2021**Sub**  
4**Parameter****Result**

Salmonella spp. Suitability	PASS per sample
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**ZMCLW - Clostridium spp. Suitability - U.S. Pharmacopeia Chapter 62****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
26Aug2021**Sub**  
4**Parameter****Result**

Clostridium spp. Suitability	PASS per sample
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Sample Description: Lavender Balm

Sample Reference:

**ZMCLZ - Mould Suitability - U.S. Pharmacopeia Chapter 61**

**Reference**  
U.S. Pharmacopeia Chapter 61

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Mould Suitability

**Result**  
Pass

**Parameter**  
Yeast Suitability

**Result**  
Pass

**ZMCM3 - Staphylococcus aureus Suitability - U.S. Pharmacopeia Chapter 62**

**Reference**  
U.S. Pharmacopeia Chapter 62

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Staphylococcus aureus Suitability

**Result**  
PASS per sample

**ZMDHN - Clostridium spp. - U.S. Pharmacopeia Chapter 62**

**Reference**  
U.S. Pharmacopeia Chapter 62

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Clostridium spp.

**Result**  
Not Detected per g

**ZMDHP - E. coli - U.S. Pharmacopeia Chapter 62**

**Reference**  
U.S. Pharmacopeia Chapter 62

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Escherichia Coli

**Result**  
Not Detected per g

**ZMDHS - Bile-Tolerant Gram Negative Bacteria - U.S. Pharmacopeia Chapter 62**

**Reference**  
U.S. Pharmacopeia Chapter 62

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Bile-Tolerant Gram Negative Bacteria

**Result**  
Not Detected per g

**ZMDHU - Staphylococcus aureus - U.S. Pharmacopeia Chapter 62**

**Reference**  
U.S. Pharmacopeia Chapter 62

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Staphylococcus aureus

**Result**  
Not Detected per g

**ZME8I - Total Aerobic Microbial Count - U.S. Pharmacopeia Chapter 61**

**Reference**  
U.S. Pharmacopeia Chapter 61

**Completed** **Sub**  
26Aug2021 4

**Parameter**  
Total Aerobic Microbial Count

**Result**  
<100 cfu/g

Subcontracting partners:

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- 
- 1 - Eurofins Microbiology Laboratories (Des Moines), IA
  - 2 - Eurofins Microbiology Laboratories (Lancaster), PA
  - 3 - Eurofins Food Chemistry Testing US Madison, WI
  - 4 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,



Jordan Ramsby  
Deputy Supervisor and Team Leader

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