

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#:** MC\_002

**Received On:** 07Sep2021  
**Reported On:** 21Sep2021

## ANALYTICAL REPORT

AR-21-UC-007845-01

|  |   |
|--|---|
| <b>Eurofins Sample Code:</b> 126-2021-09070043     | <b>Sample Registration Date:</b> 07Sep2021        |
| <b>Client Sample Code:</b> EMT MC_002              | <b>Condition Upon Receipt:</b> acceptable, 24.4°C |
| <b>Sample Description:</b> Medi-Cool Recovery Balm | <b>Sample Reference:</b>                          |

| FS001 - Heavy Metals (As, Cd, Hg, and Pb) | Reference                          | Accreditation                      | Completed | Sub |
|---|------------------------------------|------------------------------------|-----------|-----|
|   | AOAC 2011.19 and 993.14 (modified) | ISO/IEC 17025:2017<br>A2LA 2918.01 | 21Sep2021 | 1   |

| Parameter | Result    |
|-----------|-----------|
| Arsenic   | <100 ppb  |
| Cadmium   | <50.0 ppb |
| Lead      | <50.0 ppb |
| Mercury   | <50.0 ppb |

| FS00D - Industrial Hemp Cannabinoid Profile | Reference    | Accreditation                      | Completed | Sub |
|---|--------------|------------------------------------|-----------|-----|
|   | AOAC 2018.11 | ISO/IEC 17025:2017<br>A2LA 2918.01 | 21Sep2021 | 1   |

| Parameter                        | Result     |
|----------------------------------|------------|
| CBD                              | 0.363 %    |
| CBDA                             | 0.00704 %  |
| CBN                              | <0.00250 % |
| Delta 9-THC                      | 0.0139 %   |
| THCA                             | <0.00250 % |
| CBC                              | 0.0100 %   |
| CBDVA                            | <0.00250 % |
| CBG                              | <0.00250 % |
| CBGA                             | <0.00250 % |
| CBDV                             | <0.00250 % |
| Delta 8-THC                      | <0.00500 % |
| THCV                             | <0.00250 % |
| Total Cannabinoids               | 0.394 %    |
| Total THC (THC + (THCA x 0.877)) | 0.0139 %   |
| Total CBD (CBD + (CBDA x 0.877)) | 0.369 %    |
| CBCA                             | <0.00250 % |

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

| FS0G7 - Residual Solvent Analysis | Reference       | Completed | Sub |
|-----------------------------------|-----------------|-----------|-----|
|                                   | Internal method | 21Sep2021 | 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   |
| Xylenes-2 (m- p-Xylene)     | <140 ppm   |
| Methanol                    | <500 ppm   |

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**Sample Reference:**

| FS0G7 - Residual Solvent Analysis | Reference       | Completed | Sub |
|-----------------------------------|-----------------|-----------|-----|
|                                   | Internal method | 21Sep2021 | 1   |

| 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   |

| FSMRH - Mycotoxins in Hemp | Reference                                  | Accreditation                      | Completed | Sub |
|----------------------------|--|------------------------------------|-----------|-----|
|                            | Anal.Bioanal.Chem. (2012)<br>402:2675-2686 | ISO/IEC 17025:2017<br>A2LA 2918.01 | 21Sep2021 | 1   |

| 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  |

| FSPHB - Multi-Residue Analysis for hemp | Reference | Accreditation                      | Completed | Sub |
|---|-----------|------------------------------------|-----------|-----|
|   | EN 15662  | ISO/IEC 17025:2017<br>A2LA 2918.01 | 21Sep2021 | 1   |

| 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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hemp****Reference**  
EN 15662**Accreditation**  
ISO/IEC 17025:2017  
A2LA 2918.01**Completed**  
21Sep2021**Sub**  
1**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 |

**JLST6 - Total Combined Mold-Yeast  
Suitability USP Ch 61****Reference**  
USP<61>**Completed**  
21Sep2021**Sub**  
2**Parameter****Result**Total Combined Yeast-Molds Count  
PASS**UM7NN - Total Combined Yeasts/Moulds  
Count - USP Chapter <61>****Reference**  
U.S. Pharmacopeia Chapter 61**Completed**  
16Sep2021**Sub**  
2**Parameter****Result**Total Combined Yeasts/Moulds Count  
< 10 cfu/g**ZMCLQ - Escherichia coli Suitability -  
USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter****Result**Escherichia coli Suitability  
PASS per sample**ZMCLS - Salmonella spp. Suitability -  
USP <62>****Reference**  
USP <62>**Completed**  
16Sep2021**Sub**  
2**Parameter****Result**Salmonella spp. Suitability  
PASS per sample**ZMCLW - Clostridium spp. Suitability -  
USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter****Result**Clostridium spp. Suitability  
PASS per sample

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Suitability - USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Staphylococcus aureus Suitability**Result**  
PASS per sample**ZMDHN - Clostridium spp. - USP Chapter  
<62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Clostridium spp.**Result**  
Not Detected per g**ZMDHP - Escherichia Coli - USP Chapter  
<62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Escherichia Coli**Result**  
Not Detected per g**ZMDHS - Bile-Tolerant Gram Negative  
Bacteria - USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Bile-Tolerant Gram Negative Bacteria**Result**  
Not Detected per g**ZMDHU - Staphylococcus aureus - USP  
Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Staphylococcus aureus**Result**  
Not Detected per g**ZME8I - Total Aerobic Microbial Count -  
USP Chapter <61>****Reference**  
U.S. Pharmacopeia Chapter 61**Completed**  
16Sep2021**Sub**  
2**Parameter**  
Total Aerobic Microbial Count**Result**  
100 (est) cfu/g**ZMEV4 - Salmonella - USP Chapter <62>****Reference**  
U.S. Pharmacopeia Chapter 62**Completed**  
21Sep2021**Sub**  
2**Parameter**  
Salmonella**Result**  
Not Detected per 10 g

## Subcontracting partners:

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

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Respectfully Submitted,



Jordan Ramsby  
Deputy Supervisor and Team Leader

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