

Eurofins Microbiology Laboratories (New England)

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Elmore Mountain Therapeutics

Sarah Knowlton
 59B Old Creamery Road
 Morrisville, VT 05661

ANALYTICAL REPORT

AR-22-UC-000272-01

Client Code: UC0000245
PO#: MC_003

Received On: 06Dec2021
Reported On: 12Jan2022

Eurofins Sample Code: 126-2021-12060039	Sample Registration Date: 06Dec2021			
Client Sample Code: MC_003	Condition Upon Receipt: acceptable, non-perishable			
Sample Description: Medi-Cool Recovery 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 21Dec2021	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 12Jan2022	Sub 3
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Parameter	Result
CBD	4.46 mg/g
CBDA	0.095 mg/g
CBN	<0.0250 mg/g
Delta 9-THC	0.182 mg/g
THCA	<0.017 mg/g
CBC	0.134 mg/g
CBDVA	<0.004 mg/g
CBG	0.032 mg/g
CBGA	<0.004 mg/g
CBDV	0.0286 mg/g
THCV	<0.008 mg/g
Total Cannabinoids	4.93 mg/g
Total THC (THC + (THCA x 0.877))	0.182 mg/g
Total CBD (CBD + (CBDA x 0.877))	4.54 mg/g
CBCA	<0.017 mg/g
CBL	<0.004 mg/g

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FS00D - Industrial Hemp Cannabinoid Profile	Reference AOAC 2018.11	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 12Jan2022	Sub 3
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Parameter	Result
CBNA	<0.004 mg/g
THCVA	<0.004 mg/g
Delta 8-THC	<0.017 mg/g

FS0G7 - Residual Solvent Analysis	Reference Internal method	Completed 21Dec2021	Sub 3
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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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FS0G7 - Residual Solvent Analysis	Reference Internal method	Completed 21Dec2021	Sub 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

FSMRH - Mycotoxins in Hemp	Reference Anal.Bioanal.Chem. (2012) 402:2675-2686	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 21Dec2021	Sub 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

FSPHB - Multi-Residue Analysis for hemp	Reference AOAC 2007.01 (mod.), EN 15662	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 21Dec2021	Sub 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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AOAC 2007.01 (mod.), EN 15662

Accreditation

ISO/IEC 17025:2017

A2LA 2918.01

Completed

21Dec2021

Sub

3

Parameter**Result**

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

**JLST2 - Total Microbial Count Suitability
USP Chapter 61****Reference**

USP<61>

Completed

13Dec2021

Sub

4

Parameter**Result**

Total Aerobic Microbial Count	PASS
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**JLST7 - Bile Tolerant Gram Negative
Suitability USP Ch 62****Reference**

USP <62>

Completed

13Dec2021

Sub

4

Parameter**Result**

Bile Tolerant Gram Negative Bacteria	PASS
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**UM7NN - Total Combined Yeasts/Moulds
Count - USP Chapter <61>****Reference**

U.S. Pharmacopeia Chapter 61

Completed

13Dec2021

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

13Dec2021

Sub

1

Parameter**Result**

Salmonella	Not Detected per 10 g
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**ZMCLQ - Escherichia coli Suitability -
USP Chapter <62>****Reference**

U.S. Pharmacopeia Chapter 62

Completed

13Dec2021

Sub

4

Parameter**Result**

Escherichia coli Suitability	PASS per sample
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ZMCLW - Clostridium spp. Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Clostridium spp. Suitability	Result PASS per sample		
ZMCM3 - Staphylococcus aureus Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Staphylococcus aureus Suitability	Result PASS per sample		
ZMDHN - Clostridium spp. - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Clostridium spp.	Result Not Detected per g		
ZMDHP - Escherichia Coli - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Escherichia Coli	Result Not Detected per g		
ZMDHS - Bile-Tolerant Gram Negative Bacteria - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Bile-Tolerant Gram Negative Bacteria	Result Not Detected per g		
ZMDHU - Staphylococcus aureus - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 13Dec2021	Sub 4
Parameter Staphylococcus aureus	Result Not Detected per g		
ZME8X - Total Aerobic Microbial Count - USP Chapter <61>	Reference U.S. Pharmacopeia Chapter 61	Completed 13Dec2021	Sub 4
Parameter Total Aerobic Microbial Count	Result <100 cfu/g		

Subcontracting partners:

- 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

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Respectfully Submitted,



Jordan Ramsby
Deputy Supervisor and Team Leader

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