

Eurofins Microbiology Laboratories (New England)

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Elmore Mountain Therapeutics

Sarah Knowlton
 59B Old Creamery Road
 Morrisville, VT 05661

Client Code: UC0000245
PO#: EMT 0057

Received On: 04Oct2021
Reported On: 15Oct2021

ANALYTICAL REPORT

AR-21-UC-008720-01

Eurofins Sample Code: 126-2021-10040025

Sample Registration Date: 04Oct2021

Client Sample Code: EMT 0057

Condition Upon Receipt: acceptable, 19.4°C

Sample Description: CBD tincture in hemp seed carrier oil

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 15Oct2021
Sub 1

Parameter	Result
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

FS00D - Industrial Hemp Cannabinoid Profile

Reference
 AOAC 2018.11

Accreditation
 ISO/IEC 17025:2017
 A2LA 2918.01

Completed 15Oct2021
Sub 1

Parameter	Result
CBD	6.26 %
CBDA	0.126 %
CBN	0.0138 %
Delta 9-THC	0.248 %
THCA	<0.00250 %
CBC	0.183 %
CBDVA	<0.00250 %
CBG	0.0723 %
CBGA	<0.00250 %
CBDV	0.0355 %
Delta 8-THC	<0.00500 %
THCV	<0.00250 %
Total Cannabinoids	6.95 %
Total THC (THC + (THCA x 0.877))	0.248 %
Total CBD (CBD + (CBDA x 0.877))	6.37 %
CBCA	0.0053 %

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Reference
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Sub 1

Parameter	Result
CBL	0.0101 %
CBNA	<0.00250 %
THCVA	<0.00250 %

FS0G7 - Residual Solvent Analysis

Reference
Internal method

Completed 15Oct2021
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
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	15Oct2021	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) 402:2675-2686	ISO/IEC 17025:2017 A2LA 2918.01	15Oct2021	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 A2LA 2918.01	15Oct2021	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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FSPHB - Multi-Residue Analysis for hemp	Reference EN 15662	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 15Oct2021	Sub 1
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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 10Oct2021	Sub 2
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Parameter	Result
Total Combined Yeast-Molds Count	PASS

UM7NN - Total Combined Yeasts/Moulds Count - U.S. Pharmacopeia Chapter 61	Reference U.S. Pharmacopeia Chapter 61	Completed 15Oct2021	Sub 2
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Parameter	Result
Total Combined Yeasts/Moulds Count	<100 cfu/g

ZMCLQ - Escherichia coli Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 10Oct2021	Sub 2
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Parameter	Result
Escherichia coli Suitability	PASS per sample

ZMCLS - Salmonella spp. Suitability - USP <62>	Reference USP <62>	Completed 10Oct2021	Sub 2
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Parameter	Result
Salmonella spp. Suitability	PASS per sample

ZMCLW - Clostridium spp. Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Completed 10Oct2021	Sub 2
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Parameter	Result
Clostridium spp. Suitability	PASS per sample

ANALYTICAL REPORT**Eurofins Sample Code:** 126-2021-10040025**Sample Registration Date:** 04Oct2021**Client Sample Code:** EMT 0057**Condition Upon Receipt:** acceptable, 19.4°C**Sample Description:** CBD tincture in hemp seed carrier oil**Sample Reference:****ZMCM3 - Staphylococcus aureus
Suitability - USP Chapter <62>****Reference**
U.S. Pharmacopeia Chapter 62**Completed**
10Oct2021**Sub**
2**Parameter**
Staphylococcus aureus Suitability**Result**
PASS per sample**ZMDHN - Clostridium spp. - USP Chapter
<62>****Reference**
U.S. Pharmacopeia Chapter 62**Completed**
10Oct2021**Sub**
2**Parameter**
Clostridium spp.**Result**
Not Detected per g**ZMDHP - Escherichia Coli - USP Chapter
<62>****Reference**
U.S. Pharmacopeia Chapter 62**Completed**
10Oct2021**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**
10Oct2021**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**
10Oct2021**Sub**
2**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**
15Oct2021**Sub**
2**Parameter**
Total Aerobic Microbial Count**Result**
100 (est) cfu/g**ZMEV4 - Salmonella - USP Chapter <62>****Reference**
U.S. Pharmacopeia Chapter 62**Completed**
10Oct2021**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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