

Eurofins Microbiology Laboratories (New England)

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Elmore Mountain Therapeutics

Colin Reynolds
 4373 Elmore Mountain Rd
 Morrisville, VT 05661

Client Code: UC0000245
PO#: EMT_0060

Received On: 16Sep2022
Reported On: 28Sep2022

ANALYTICAL REPORT

AR-22-UC-014947-01

Eurofins Sample Code:	126-2022-09160139	Sample Registration Date:	16Sep2022
Client Sample Code:	EMT_0060	Condition Upon Receipt:	acceptable, 19.8°C
Sample Description:	CBD Tincture - Hemp Seed Carrier Oil	Sample Reference:	EMT_0060

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference AOAC 2011.19, 993.14 and 2015.01 (modified)	Accreditation	Completed 28Sep2022	Sub 2
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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 (modified)	Accreditation	Completed 28Sep2022	Sub 2
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Parameter	Result
Total THC (THC + (THCA x 0.877))	2.41 mg/ml
Cannabichromene (CBC)	1.74 mg/ml
Cannabichromenic Acid (CBCA)	0.052 mg/ml
Cannabicyclol (CBL)	0.093 mg/ml
Cannabidiol (CBD)	59.4 mg/ml
Cannabidiolic Acid (CBDA)	1.48 mg/ml
Cannabidivarin (CBDV)	0.339 mg/ml
Cannabidivarinic Acid (CBDVA)	<0.00375 mg/ml
Cannabigerol (CBG)	0.513 mg/ml
Cannabigerolic Acid (CBGA)	<0.00375 mg/ml
Cannabinol (CBN)	0.122 mg/ml
Cannabinolic Acid (CBNA)	<0.00375 mg/ml
Delta 8-THC	0.074 mg/ml
Delta 9-THC	2.41 mg/ml
Tetrahydrocannabinolic acid (THCA)	<0.0159 mg/ml
Tetrahydrocannabivarin (THCV)	0.026 mg/ml
Tetrahydrocannabivarinic Acid (THCVA)	<0.00375 mg/ml

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FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		28Sep2022	2
Parameter	Result			
Total Cannabinoids	66.2 mg/ml			
Total CBD (CBD + (CBDA x 0.877))	60.7 mg/ml			

FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		28Sep2022	2
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			
Methylene Chloride	<1.0 ppm			
n-Butane	<500 ppm			

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FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		28Sep2022	2

Parameter	Result
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

FS0SG - Density	Reference	Accreditation	Completed	Sub
	NIST Handbook 133 (modified)		28Sep2022	2

Parameter	Result
Density	0.938 g/ml

FMSRH - Mycotoxins in Hemp	Reference	Accreditation	Completed	Sub
	Anal.Bioanal.Chem. (2012) 402:2675-2686		28Sep2022	2

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
	AOAC 2007.01 (mod.), EN 15662		28Sep2022	2

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

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FSPHB - Multi-Residue Analysis for hemp	Reference	Accreditation	Completed	Sub
	AOAC 2007.01 (mod.), EN 15662		28Sep2022	2

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	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 61		28Sep2022	3

Parameter	Result
Total Combined Yeasts/Moulds Count	<100 cfu/g

UMGSH - Salmonella - USP Chapter <62> - Without Suitability	Reference	Accreditation	Completed	Sub
	USP Chapter <62> - Without Suitability		23Sep2022	1

Parameter	Result
Salmonella	Not Detected per 10 g

ZMDHN - Clostridium spp. - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		27Sep2022	3

Parameter	Result
Clostridium spp.	Not Detected per g

ZMDHP - Escherichia Coli - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		27Sep2022	3

Parameter	Result
Escherichia Coli	Not Detected per g

ZMDHS - Bile-Tolerant Gram Negative Bacteria - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		27Sep2022	3

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	Accreditation	Completed 27Sep2022	Sub 3
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Parameter	Result
Staphylococcus aureus	Not Detected per g

ZME8I - Total Aerobic Microbial Count - USP Chapter <61>	Reference U.S. Pharmacopeia Chapter 61	Accreditation	Completed 28Sep2022	Sub 3
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Parameter	Result
Total Aerobic Microbial Count	<100 cfu/g

Subcontracting partners:

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

Respectfully Submitted,



Jordan Ramsby
 Microbiologist

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