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Elmore Mountain Therapeutics

Colin Reynolds
 59B Old Creamery Road
 Morrisville, VT 05661

Client Code: UC0000245
PO#: EMT_0062

Received On: 03Oct2023
Reported On: 24Oct2023

ANALYTICAL REPORT

AR-23-UC-018203-02
 Report Supersedes AR-23-UC-018203-01

Eurofins Sample Code:	126-2023-10030089	Sample Registration Date:	03Oct2023
Client Sample Code:	EMT_0062	Condition Upon Receipt:	acceptable, 26.7°C
Sample Description:	CBD Extract - Hemp Seed Carrier Oil	Sample Reference:	

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference	Accreditation	Completed	Sub
	AOAC 2011.19, 993.14 and 2015.01 (modified)		13Oct2023	2

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

FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		24Oct2023	2

Parameter	Result
Total THC (THC + (THCA x 0.877))	2.230 mg/ml
Cannabichromene (CBC)	1.71 mg/ml
Cannabichromenic Acid (CBCA)	0.0584 mg/ml
Cannabicyclol (CBL)	0.0878 mg/ml
Cannabidiol (CBD)	55.6 mg/ml
Cannabidiolic Acid (CBDA)	2.05 mg/ml
Cannabidivarin (CBDV)	0.342 mg/ml
Cannabidivarinic Acid (CBDVA)	<0.00373 mg/ml
Cannabigerol (CBG)	0.534 mg/ml
Cannabigerolic Acid (CBGA)	<0.00373 mg/ml
Cannabinol (CBN)	0.130 mg/ml
Cannabinolic Acid (CBNA)	<0.00373 mg/g
Delta 8-THC	0.0771 mg/ml
Delta 9-THC	2.23 mg/ml
Tetrahydrocannabinolic acid (THCA)	<0.0159 g/ml
Tetrahydrocannabivarin (THCV)	<0.0233 g/ml
Tetrahydrocannabivarinic Acid (THCVA)	<0.00373 mg/ml

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FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		24Oct2023	2
Parameter	Result			
Total Cannabinoids	62.7 mg/ml			
Total CBD (CBD + (CBDA x 0.877))	57.3 mg/ml			

FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		13Oct2023	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			
n-Heptane	<50.0 ppm			

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FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		13Oct2023	2
Parameter	Result			
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)		13Oct2023	2
Parameter	Result			
Specific Gravity	0.933 g/ml			

FSMRH - Mycotoxins in Hemp	Reference	Accreditation	Completed	Sub
	Anal.Bioanal.Chem. (2012) 402:2675-2681		13Oct2023	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		13Oct2023	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			
Fenoxycarb	<0.10 mg/kg			
Imazalil	<0.10 mg/kg			

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FSPHB - Multi-Residue Analysis for hemp	Reference	Accreditation	Completed	Sub
	AOAC 2007.01 (mod.), EN 15662		13Oct2023	2

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	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 61		20Oct2023	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		10Oct2023	1

Parameter	Result
Salmonella spp.	Not Detected per 10 g

ZMDHP - Escherichia Coli - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		20Oct2023	3

Parameter	Result
E. coli	Not Detected per g

ZMDHS - Bile-Tolerant Gram Negative Bacteria - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		20Oct2023	3

Parameter	Result
Bile-Tolerant Gram Negative Bacteria	Not Detected per g

ZMDHU - Staphylococcus aureus - USP Chapter <62>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 62		20Oct2023	3

Parameter	Result
Staphylococcus aureus	Not Detected per g

ZME8I - Total Aerobic Microbial Count - USP Chapter <61>	Reference	Accreditation	Completed	Sub
	U.S. Pharmacopeia Chapter 61		20Oct2023	3

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ZME8I - Total Aerobic Microbial Count - USP Chapter <61>	Reference U.S. Pharmacopeia Chapter 61	Accreditation	Completed 20Oct2023	Sub 3
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Parameter	Result
Total Aerobic Microbial Count	<100 cfu/g

ZMF8Q - Confirmation Clostridium spp. - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Accreditation	Completed 20Oct2023	Sub 3
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Parameter	Result
Clostridium spp.	Not Detected per g

ZMH37 - Identification Identification Bacteria species - Oxford Nanopore Technologies	Reference Oxford Nanopore Technologies	Accreditation	Completed 20Oct2023	Sub 3
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Parameter	Result
Identification Bacteria species	Bifidobacterium lactis per sample

Comments:

V2. Conversion for FS00D was done incorrectly. The original conversion stopped at per g/mL. The extra 1000mg/g factor has been brought in to correct.

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

Elmore Mountain Therapeutics

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