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Elmore Mountain Therapeutics

 Colin Reynolds  
 59B Old Creamery Road  
 Morrisville, VT 05661

## ANALYTICAL REPORT

AR-23-UC-005381-01

**Client Code:** UC0000245

**PO#:** EMT\_OG\_005

**Received On:** 23Mar2023

**Reported On:** 01Apr2023

<b>Eurofins Sample Code:</b>	126-2023-03230203	<b>Sample Registration Date:</b>	23Mar2023
<b>Client Sample Code:</b>	OG_005	<b>Condition Upon Receipt:</b>	acceptable, 18.5°C
<b>Sample Description:</b>	Signature Balm	<b>Sample Reference:</b>	

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference	Accreditation	Completed	Sub
	AOAC 2011.19, 993.14 and 2015.01 (modified)		01Apr2023	2

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 (modified)		01Apr2023	2

Parameter	Result
Total THC (THC + (THCA x 0.877))	0.184 mg/g
Cannabichromene (CBC)	0.13 mg/g
Cannabichromenic Acid (CBCA)	<0.017 mg/g
Cannabicyclol (CBL)	<0.0250 mg/g
Cannabidiol (CBD)	4.54 mg/g
Cannabidiolic Acid (CBDA)	0.127 mg/g
Cannabidivarin (CBDV)	0.041 mg/g
Cannabidivarinic Acid (CBDVA)	<0.004 mg/g
Cannabigerol (CBG)	0.034 mg/g
Cannabigerolic Acid (CBGA)	<0.004 mg/g
Cannabinol (CBN)	<0.0250 mg/g
Cannabinolic Acid (CBNA)	<0.004 mg/g
Delta 8-THC	<0.017 mg/g
Delta 9-THC	0.184 mg/g
Tetrahydrocannabinolic acid (THCA)	<0.017 mg/g
Tetrahydrocannabivarin (THCV)	<0.008 mg/g
Tetrahydrocannabivarinic Acid (THCVA)	<0.004 mg/g
Total Cannabinoids	5.06 mg/g

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FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		01Apr2023	2

Parameter	Result
Total CBD (CBD + (CBDA x 0.877))	4.65 mg/g

FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		01Apr2023	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	<222 ppm
Acetonitrile	<200 ppm
Benzene	<1.0 ppm
Sum of Butanes	<1,000 ppm
Chloroform	<1.0 ppm
Ethyl Ether	<553 ppm
Ethanol	<555 ppm
Ethyl Acetate	<554 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
n-Hexane	<30.0 ppm

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FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		01Apr2023	2

Parameter	Result
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)		01Apr2023	2

Parameter	Result
Specific Gravity	0.879 g/ml

FSMRH - Mycotoxins in Hemp	Reference	Accreditation	Completed	Sub
	Anal.Bioanal.Chem. (2012) 402:2675-2681		01Apr2023	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		01Apr2023	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 (any ratio of constituent isomers)	<0.10 mg/kg
Imidacloprid	<0.10 mg/kg

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<b>FSPHB - Multi-Residue Analysis for hemp Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
AOAC 2007.01 (mod.), EN 15662		01Apr2023	2

Parameter	Result
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

<b>UM7NN - Total Combined Yeasts/Moulds Count - USP Chapter &lt;61&gt;</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	U.S. Pharmacopeia Chapter 61		01Apr2023	3

Parameter	Result
Total Combined Yeasts/Moulds Count	<10 cfu/g

<b>UMGSH - Salmonella - USP Chapter &lt;62&gt; - Without Suitability</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	USP Chapter <62> - Without Suitability		01Apr2023	1

Parameter	Result
Salmonella	Not Detected per 10 g

<b>ZMDHN - Clostridium spp. - USP Chapter &lt;62&gt;</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	U.S. Pharmacopeia Chapter 62		01Apr2023	3

Parameter	Result
Clostridium spp.	Not Detected per g

<b>ZMDHP - Escherichia Coli - USP Chapter &lt;62&gt;</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	U.S. Pharmacopeia Chapter 62		01Apr2023	3

Parameter	Result
Escherichia Coli	Not Detected per g

<b>ZMDHS - Bile-Tolerant Gram Negative Bacteria - USP Chapter &lt;62&gt;</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	U.S. Pharmacopeia Chapter 62		01Apr2023	3

Parameter	Result
Bile-Tolerant Gram Negative Bacteria	Detected per g

<b>ZMDHU - Staphylococcus aureus - USP Chapter &lt;62&gt;</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	U.S. Pharmacopeia Chapter 62		01Apr2023	3

Parameter	Result
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<b>ZMDHU - Staphylococcus aureus - USP Chapter &lt;62&gt;</b>	<b>Reference</b> U.S. Pharmacopeia Chapter 62	<b>Accreditation</b>	<b>Completed</b> 01Apr2023	<b>Sub</b> 3
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<b>Parameter</b>	<b>Result</b>
Staphylococcus aureus	Not Detected per g

<b>ZME8I - Total Aerobic Microbial Count - USP Chapter &lt;61&gt;</b>	<b>Reference</b> U.S. Pharmacopeia Chapter 61	<b>Accreditation</b>	<b>Completed</b> 01Apr2023	<b>Sub</b> 3
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<b>Parameter</b>	<b>Result</b>
Total Aerobic Microbial Count	<10 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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