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Elmore Mountain Therapeutics

Sarah Knowlton  
 59B Old Creamery Road  
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**Client Code:** UC0000245  
**PO#:** EMT\_0059

**Received On:** 05May2022  
**Reported On:** 25May2022

## ANALYTICAL REPORT

AR-22-UC-006953-03  
 Report Supersedes AR-22-UC-006953-02

<b>Eurofins Sample Code:</b>	126-2022-05050162	<b>Sample Registration Date:</b>	05May2022
<b>Client Sample Code:</b>	EMT_0059	<b>Condition Upon Receipt:</b>	acceptable, 21.2°C
<b>Sample Description:</b>	CBD Tincture - Hemp Seed Carrier Oil	<b>Sample Reference:</b>	

<b>FS001 - Heavy Metals (As, Cd, Hg, and Pb)</b>	<b>Reference</b> AOAC 2011.19 and 993.14 (modified)	<b>Accreditation</b>	<b>Completed</b> 18May2022	<b>Sub</b> 2
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Parameter	Result
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	5.15 ppb
Mercury	<5.00 ppb

<b>FS00D - Industrial Hemp Cannabinoid Profile</b>	<b>Reference</b> AOAC 2018.11 (modified)	<b>Accreditation</b>	<b>Completed</b> 25May2022	<b>Sub</b> 2
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Parameter	Result
Total THC (THC + (THCA x 0.877))	2.54 mg/ml
Cannabichromene (CBC)	1.81 mg/ml
Cannabichromenic Acid (CBCA)	0.058 mg/ml
Cannabicyclol (CBL)	0.097 mg/ml
Cannabidiol (CBD)	59.0 mg/ml
Cannabidiolic Acid (CBDA)	1.54 mg/ml
Cannabidivarin (CBDV)	0.361 mg/ml
Cannabidivarinic Acid (CBDVA)	<0.00378 mg/ml
Cannabigerol (CBG)	0.603 mg/ml
Cannabigerolic Acid (CBGA)	<0.00378 mg/ml
Cannabinol (CBN)	0.104 mg/ml
Cannabinolic Acid (CBNA)	<0.00378 mg/ml
Delta 8-THC	0.075 mg/ml
Delta 9-THC	2.53 mg/ml
Tetrahydrocannabinolic acid (THCA)	<0.0161 mg/ml
Tetrahydrocannabivarin (THCV)	0.030 mg/ml
Tetrahydrocannabivarinic Acid (THCVA)	<0.00378 mg/ml
Total Cannabinoids	66.1 mg/ml

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FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		25May2022	2

Parameter	Result
Total CBD (CBD + (CBDA x 0.877))	60.3 mg/ml

FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		18May2022	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		18May2022	2
<b>Parameter</b>	<b>Result</b>			
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)		25May2022	2
<b>Parameter</b>	<b>Result</b>			
Density	0.946 g/ml			

FSMRH - Mycotoxins in Hemp	Reference	Accreditation	Completed	Sub
	Anal.Bioanal.Chem. (2012) 402:2675-2686		18May2022	2
<b>Parameter</b>	<b>Result</b>			
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		18May2022	2
<b>Parameter</b>	<b>Result</b>			
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			

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<b>FSPHB - Multi-Residue Analysis for hemp</b>	<b>Reference</b>	<b>Accreditation</b>	<b>Completed</b>	<b>Sub</b>
	AOAC 2007.01 (mod.), EN 15662		18May2022	2

Parameter	Result
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

<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		17May2022	3

Parameter	Result
Total Combined Yeasts/Moulds Count	<100 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		10May2022	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		14May2022	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		14May2022	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		14May2022	3

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

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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> 14May2022	<b>Sub</b> 3
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<b>Parameter</b> Staphylococcus aureus	<b>Result</b> Not Detected per g
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<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> 17May2022	<b>Sub</b> 3
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<b>Parameter</b> Total Aerobic Microbial Count	<b>Result</b> <100 cfu/g
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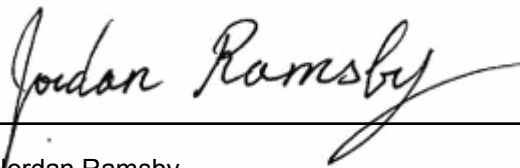
**Comments:**  
Contacts updated.

Industrial Hemp Cannabinoid Profile results adjusted from % to mg/mL.

**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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