

Prepared for:  
**Fringe**

## Fringe Mana

Batch ID or Lot Number: <b>22208</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 7
Reported: <b>08Sep2022</b>	Started: 07Sep2022	Received: 06Sep2022	

## Pesticides


Test ID: T000220410


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	281 - 2571	ND	Malathion	289 - 2751	ND
Acephate	41 - 2765	ND	Metalaxyl	43 - 2733	ND
Acetamiprid	39 - 2724	ND	Methiocarb	42 - 2789	ND
Azoxystrobin	42 - 2765	ND	Methomyl	38 - 2770	ND
Bifenazate	42 - 2736	ND	MGK 264 1	153 - 1641	ND
Boscalid	40 - 2773	ND	MGK 264 2	120 - 1143	ND
Carbaryl	41 - 2713	ND	Myclobutanil	34 - 2760	ND
Carbofuran	40 - 2721	ND	Naled	46 - 2700	ND
Chlorantraniliprole	41 - 2796	ND	Oxamyl	39 - 2812	ND
Chlorpyrifos	65 - 2708	ND	Paclobutrazol	46 - 2695	ND
Clofentezine	284 - 2738	ND	Permethrin	281 - 2675	ND
Diazinon	284 - 2783	ND	Phosmet	40 - 2730	ND
Dichlorvos	286 - 2804	ND	Prophos	286 - 2783	ND
Dimethoate	42 - 2742	ND	Propoxur	40 - 2710	ND
E-Fenpyroximate	291 - 2699	ND	Pyridaben	290 - 2737	ND
Etofenprox	45 - 2685	ND	Spinosad A	35 - 2247	ND
Etoxazole	297 - 2677	ND	Spinosad D	48 - 510	ND
Fenoxycarb	41 - 2753	ND	Spiromesifen	269 - 2734	ND
Fipronil	44 - 2789	ND	Spirotetramat	279 - 2776	ND
Flonicamid	42 - 2774	ND	Spiroxamine 1	18 - 1184	ND
Fludioxonil	288 - 2766	ND	Spiroxamine 2	22 - 1581	ND
Hexythiazox	41 - 2742	ND	Tebuconazole	282 - 2786	ND
Imazalil	272 - 2827	ND	Thiacloprid	42 - 2742	ND
Imidacloprid	42 - 2764	ND	Thiamethoxam	43 - 2784	ND
Kresoxim-methyl	43 - 2824	ND	Trifloxystrobin	43 - 2762	ND

## Final Approval

  
 Karen Winternheimer  
 08Sep2022  
 03:00:00 PM MDT  
 PREPARED BY / DATE

  
 Sam Smith  
 08Sep2022  
 03:08:00 PM MDT  
 APPROVED BY / DATE

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## Fringe Mana

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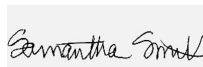
## Heavy Metals


Test ID: T000220412

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.52	ND	
Cadmium	0.04 - 4.46	ND	
Mercury	0.04 - 4.39	ND	
Lead	0.04 - 4.43	ND	

## Final Approval

  
 Sam Smith  
 09Sep2022  
 04:14:00 PM MDT  
 PREPARED BY / DATE

  
 Daniel Weidensaul  
 09Sep2022  
 04:17:00 PM MDT  
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## Fringe Mana

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## Terpenes

Test ID: T000220409

Methods: TM22 (GC-MS)

	<b>%(w/w)</b>	<b>(mg/g)</b>
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0000	0.0000
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	<b>0.0000</b>	<b>0.0000</b>

**0.0000%**  
Total  
Terpenes


### PREDOMINANT TERPENES

<b>(-)-alpha-Bisabolol</b>	0.0000
<b>(-)-beta-Pinene</b>	0.0000
<b>alpha-Humulene</b>	0.0000
<b>alpha-Pinene</b>	0.0000
<b>alpha-Terpinene</b>	0.0000
<b>beta-Caryophyllene</b>	0.0000
<b>beta-Myrcene</b>	0.0000
<b>d-Limonene</b>	0.0000
<b>delta-3-Carene</b>	0.0000
<b>Linalool</b>	0.0000

### Notes

### Final Approval

  
Daniel Weidensaul  
09Sep2022  
01:48:00 PM MDT  
PREPARED BY / DATE

  
Jacob Miller  
09Sep2022  
01:52:00 PM MDT  
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## Fringe Mana

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## Microbial Contaminants


Test ID: T000220411

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval

  
 Jacob Folkerts  
 10Sep2022  
 09:53:00 AM MDT  
 PREPARED BY / DATE

  
 Brett Hudson  
 12Sep2022  
 10:16:00 AM MDT  
 APPROVED BY / DATE

## Mycotoxins


Test ID: T000220414

Methods: TM18 (UHPLC-QQQ)  
 LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.36 - 116.71	ND	N/A
Aflatoxin B1	1.04 - 29.20	ND	
Aflatoxin B2	0.90 - 29.34	ND	
Aflatoxin G1	0.93 - 29.17	ND	
Aflatoxin G2	1.07 - 30.04	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
 Jacob Miller  
 12Sep2022  
 01:54:00 PM MDT  
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 Sam Smith  
 12Sep2022  
 01:58:00 PM MDT  
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## Fringe Mana

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## Cannabinoids

Test ID: T000220407

Methods: TM14 (HPLC-DAD): Potency - Broad

Spectrum Analysis, 0.01% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.337	1.016	ND	ND	
Cannabichromenic Acid (CBCA)	0.308	0.929	ND	ND	
Cannabidiol (CBD)	0.881	2.584	40.800	31.38	
Cannabidiolic Acid (CBDA)	0.904	2.650	ND	ND	
Cannabidivarin (CBDV)	0.208	0.611	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.377	1.106	ND	ND	
Cannabigerol (CBG)	0.191	0.577	ND	ND	
Cannabigerolic Acid (CBGA)	0.800	2.410	ND	ND	
Cannabinol (CBN)	0.250	0.752	ND	ND	
Cannabinolic Acid (CBNA)	0.545	1.645	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.953	2.872	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.144	0.435	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.128	0.385	ND	ND	
Tetrahydrocannabivarin (THCV)	0.174	0.524	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.676	2.038	ND	ND	
<b>Total Cannabinoids</b>			<b>40.800</b>	<b>31.38</b>	
Total Potential THC			ND	ND	
Total Potential CBD			40.800	31.38	

## Final Approval



Daniel Weidensaul  
12Sep2022  
02:30:00 PM MDT

PREPARED BY / DATE



Jacob Miller  
12Sep2022  
02:34:00 PM MDT

APPROVED BY / DATE

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## Fringe Mana

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## Residual Solvents

Test ID: T000220413


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	82 - 1639	ND	
Butanes (Isobutane, n-Butane)	174 - 3475	ND	
Methanol	59 - 1178	ND	
Pentane	95 - 1901	ND	
Ethanol	95 - 1899	1555	
Acetone	96 - 1910	ND	
Isopropyl Alcohol	101 - 2019	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	100 - 1997	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	97 - 1934	ND	
Toluene	18 - 354	ND	
Xylenes (m,p,o-Xylenes)	133 - 2650	ND	

## Final Approval

  
Jacob Miller  
12Sep2022  
04:01:00 PM MDT

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Daniel Weidensaul  
12Sep2022  
04:01:00 PM MDT

APPROVED BY / DATE

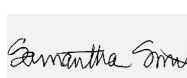
## Cannabinoids

Test ID: T000220408


Methods: TM20 (HPLC-DAD)

	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.680	ND	0.00	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.361	ND	0.00	N/A
<b>Total Potential THC</b>	-	<b>ND</b>	<b>0.00</b>	

## Final Approval

  
Sam Smith  
14Sep2022  
02:26:00 PM MDT

PREPARED BY / DATE

  
Daniel Weidensaul  
14Sep2022  
02:27:00 PM MDT

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## Fringe Mana

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<https://results.botanacor.com/api/v1/coas/uuid/f893ca15-3c70-4c66-be23-886d90f0fb7f>

**Definitions**  
 LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \* (0.877)) and Total CBD = CBD + (CBDa \* (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \* (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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