

Prepared for:
Fringe

Fringe Henko

Batch ID or Lot Number: 22189	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 7
Reported: 08Sep2022	Started: 07Sep2022	Received: 06Sep2022	


Pesticides


Test ID: T000220402

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
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Terpenes

Test ID: T000220401

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-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
	0.0000	0.0000

0.0000%
Total
Terpenes


PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0000
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	0.0000
beta-Myrcene	0.0000
d-Limonene	0.0000
delta-3-Carene	0.0000
Linalool	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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Heavy Metals

Test ID: T000220404
Methods: TM19 (ICP-MS): Heavy Metals

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

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 Daniel Weidensaul
09Sep2022
04:17:00 PM MDT

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Mycotoxins


Test ID: T000220406
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.26 - 108.45	ND	N/A
Aflatoxin B1	0.97 - 27.13	ND	
Aflatoxin B2	0.83 - 27.27	ND	
Aflatoxin G1	0.86 - 27.11	ND	
Aflatoxin G2	0.99 - 27.91	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
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Batch ID or Lot Number: 22189	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 7
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Cannabinoids

Test ID: T000220399


Methods: TM14 (HPLC-DAD): Potency - Broad
Spectrum Analysis, 0.01% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.321	0.969	1.105	0.85	
Cannabichromenic Acid (CBCA)	0.294	0.887	ND	ND	
Cannabidiol (CBD)	0.841	2.466	37.982	29.22	
Cannabidiolic Acid (CBDA)	0.863	2.529	ND	ND	
Cannabidivarin (CBDV)	0.199	0.583	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.360	1.055	ND	ND	
Cannabigerol (CBG)	0.183	0.550	1.126	0.87	
Cannabigerolic Acid (CBGA)	0.763	2.300	ND	ND	
Cannabinol (CBN)	0.238	0.718	ND	ND	
Cannabinolic Acid (CBNA)	0.521	1.570	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.909	2.741	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.138	0.415	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.122	0.368	ND	ND	
Tetrahydrocannabivarin (THCV)	0.166	0.501	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.645	1.945	ND	ND	
Total Cannabinoids			40.213	30.93	
Total Potential THC			ND	ND	
Total Potential CBD			37.982	29.22	

Final Approval


Daniel Weidensaul
12Sep2022
02:30:00 PM MDT

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Jacob Miller
12Sep2022
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Residual Solvents

Test ID: T000220405
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1626	ND	
Butanes (Isobutane, n-Butane)	172 - 3448	ND	
Methanol	58 - 1169	ND	
Pentane	94 - 1887	ND	
Ethanol	94 - 1884	1393	
Acetone	95 - 1895	ND	
Isopropyl Alcohol	100 - 2003	ND	
Hexane	6 - 114	ND	
Ethyl Acetate	99 - 1982	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	96 - 1919	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	132 - 2630	ND	

Final Approval


 Jacob Miller
 12Sep2022
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 Daniel Weidensaul
 12Sep2022
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Microbial Contaminants


Test ID: T000220403

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

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

Final Approval


Jacob Folkerts
10Sep2022
09:53:00 AM MDT
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Brett Hudson
12Sep2022
10:16:00 AM MDT
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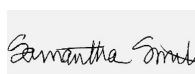
Cannabinoids


Test ID: T000220400

Methods: TM20 (HPLC-DAD)

	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.639	0.002	0.02	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.279	ND	0.00	N/A
Total Potential THC	-	0.002	0.02	

Final Approval


Sam Smith
14Sep2022
02:26:00 PM MDT
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Daniel Weidensaul
14Sep2022
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<https://results.botanacor.com/api/v1/coas/uuid/c881528e-ae64-45ac-a5bd-f47e702706f8>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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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