

Prepared for:
EXTRACT LABS

1399 Horizon Ave
Lafayette, CO USA 80026

Softgels: PM Formula CBN

Batch ID or Lot Number: 24G2011704	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 24Apr2024	Started: 13Apr2024	Received: 22Apr2024	


Pesticides


Test ID: T000278294

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	324 - 2730	ND		Malathion	312 - 2753	ND
Acephate	44 - 2772	ND		Metalaxyl	44 - 2747	ND
Acetamiprid	42 - 2701	ND		Methiocarb	45 - 2722	ND
Azoxystrobin	44 - 2758	ND		Methomyl	43 - 2755	ND
Bifenazate	45 - 2748	ND		MGK 264 1	171 - 1628	ND
Boscalid	42 - 2714	ND		MGK 264 2	115 - 1080	ND
Carbaryl	40 - 2735	ND		Myclobutanil	44 - 2722	ND
Carbofuran	42 - 2729	ND		Naled	42 - 2695	ND
Chlorantraniliprole	44 - 2726	ND		Oxamyl	43 - 2751	ND
Chlorpyrifos	48 - 2796	ND		Paclobutrazol	45 - 2748	ND
Clofentezine	270 - 2794	ND		Permethrin	287 - 2854	ND
Diazinon	306 - 2749	ND		Phosmet	43 - 2616	ND
Dichlorvos	287 - 2725	ND		Prophos	295 - 2691	ND
Dimethoate	41 - 2699	ND		Propoxur	43 - 2744	ND
E-Fenpyroximate	283 - 2830	ND		Pyridaben	295 - 2795	ND
Etofenprox	42 - 2778	ND		Spinosad A	31 - 2108	ND
Etoxazole	291 - 2705	ND		Spinosad D	68 - 680	ND
Fenoxycarb	26 - 2883	ND		Spiromesifen	290 - 2782	ND
Fipronil	33 - 2804	ND		Spirotetramat	283 - 2841	ND
Flonicamid	46 - 2781	ND		Spiroxamine 1	17 - 1012	ND
Fludioxonil	287 - 2662	ND		Spiroxamine 2	25 - 1593	ND
Hexythiazox	40 - 2808	ND		Tebuconazole	310 - 2717	ND
Imazalil	284 - 2753	ND		Thiacloprid	43 - 2733	ND
Imidacloprid	47 - 2776	ND		Thiamethoxam	39 - 2776	ND
Kresoxim-methyl	42 - 2806	ND		Trifloxystrobin	45 - 2758	ND

Final Approval


Karen Winternheimer
24Apr2024
01:05:00 PM MDT
PREPARED BY / DATE


Phillip Travisano
24Apr2024
01:07:00 PM MDT
APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000278297

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1664	ND	
Butanes (Isobutane, n-Butane)	176 - 3523	ND	
Methanol	67 - 1338	ND	
Pentane	90 - 1792	ND	
Ethanol	95 - 1907	ND	
Acetone	105 - 2091	ND	
Isopropyl Alcohol	110 - 2200	ND	
Hexane	6 - 129	ND	
Ethyl Acetate	107 - 2132	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	99 - 1988	ND	
Toluene	19 - 382	ND	
Xylenes (m,p,o-Xylenes)	134 - 2690	ND	

Final Approval



Karen Winternheimer
25Apr2024
08:45:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
25Apr2024
08:46:00 AM MDT

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Heavy Metals - Colorado Compliance

Test ID: T000278296
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.79	ND	
Cadmium	0.05 - 4.78	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.75	ND	

Final Approval


Karen Winternheimer
25Apr2024
04:13:00 PM MDT
PREPARED BY / DATE



Colin Hendrickson
25Apr2024
04:19:00 PM MDT
APPROVED BY / DATE


Microbial Contaminants - Colorado Compliance

Test ID: T000278295
Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	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


Brett Hudson
26Apr2024
11:08:00 AM MDT
PREPARED BY / DATE


Brianne Maillot
26Apr2024
01:19:00 PM MDT
APPROVED BY / DATE

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Lafayette, CO USA 80026

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Cannabinoids - Colorado Compliance

Test ID: T000278293

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.501	1.596	<LOQ	<LOQ	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.458	1.460	ND	ND	
Cannabidiol (CBD)	1.492	4.248	30.857	33.54	
Cannabidiolic Acid (CBDA)	1.530	4.357	ND	ND	
Cannabidivarin (CBDV)	0.353	1.005	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.638	1.817	ND	ND	
Cannabigerol (CBG)	0.284	0.906	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	1.189	3.788	ND	ND	
Cannabinol (CBN)	0.371	1.182	9.525	10.35	
Cannabinolic Acid (CBNA)	0.811	2.584	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.416	4.513	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.286	4.098	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.140	3.631	ND	ND	
Tetrahydrocannabivarin (THCV)	0.259	0.824	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.005	3.203	ND	ND	
Total Cannabinoids			40.382	43.89	
Total Potential THC			ND	ND	
Total Potential CBD			30.857	33.54	

Final Approval


Karen Winternheimer
26Apr2024
11:10:00 AM MDT
PREPARED BY / DATE


Phillip Travisano
26Apr2024
12:18:00 PM MDT
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Mycotoxins - Colorado Compliance

Test ID: T000278298
Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.19 - 129.25	ND	N/A
Aflatoxin B1	0.90 - 32.85	ND	
Aflatoxin B2	0.90 - 32.69	ND	
Aflatoxin G1	1.03 - 33.01	ND	
Aflatoxin G2	0.97 - 32.88	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
29Apr2024
12:47:00 PM MDT
PREPARED BY / DATE


Phillip Travisano
29Apr2024
12:51:00 PM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e70a75a2-780a-412d-ac01-8140941fa0a9>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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