

Prepared for:
Earth Buddy Pet

425 South Bowen St. #4
Longmont, CO USA 80501

Organic Hemp Extract: Full Spectrum

Batch ID or Lot Number: O-1107-0913-RE-OFSE	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: 16Sep2022	Started: 16Sep2022	Received: 14Sep2022	


Residual Solvents - Colorado Compliance

Test ID: T000221314

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1881	ND	
Butanes (Isobutane, n-Butane)	198 - 3961	ND	
Methanol	61 - 1226	ND	
Pentane	104 - 2072	ND	
Ethanol	104 - 2077	ND	
Acetone	104 - 2071	ND	
Isopropyl Alcohol	107 - 2138	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	105 - 2094	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	103 - 2069	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	134 - 2677	ND	

Final Approval


Daniel Weidensaul
16Sep2022
03:43:00 PM MDT

PREPARED BY / DATE


Jacob Miller
16Sep2022
03:44:00 PM MDT

APPROVED BY / DATE

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425 South Bowen St. #4
Longmont, CO USA 80501

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Microbial Contaminants - Colorado Compliance

Test ID: T000221312
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
<i>Salmonella</i>	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



Jacob Folkerts
17Sep2022
08:33:00 AM MDT

PREPARED BY / DATE



Brett Hudson
19Sep2022
10:14:00 AM MDT

APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

Test ID: T000221310
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.045	0.151	3.760	37.60	
Cannabichromenic Acid (CBCA)	0.041	0.138	ND	ND	
Cannabidiol (CBD)	0.136	0.394	59.228	592.28	
Cannabidiolic Acid (CBDA)	0.139	0.404	1.210	12.10	
Cannabidivarin (CBDV)	0.032	0.093	0.532	5.32	
Cannabidivarinic Acid (CBDVA)	0.058	0.168	ND	ND	
Cannabigerol (CBG)	0.026	0.086	1.586	15.86	
Cannabigerolic Acid (CBGA)	0.107	0.358	ND	ND	
Cannabinol (CBN)	0.033	0.112	0.134	1.34	
Cannabinolic Acid (CBNA)	0.073	0.244	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.127	0.426	<LOQ	2.22	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.116	0.387	1.883	18.83	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.102	0.343	ND	ND	
Tetrahydrocannabivarin (THCV)	0.023	0.078	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.090	0.303	ND	ND	
Total Cannabinoids			68.555	685.55	
Total Potential THC			1.883	18.83	
Total Potential CBD			60.289	602.89	

Final Approval


Daniel Weidensaul
19Sep2022
01:59:00 PM MDT
PREPARED BY / DATE



Jacob Miller
19Sep2022
02:01:00 PM MDT
APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000221313
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.48	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.04 - 4.42	ND	
Lead	0.04 - 4.11	ND	

Final Approval


Daniel Weidensaul
19Sep2022
03:31:00 PM MDT
PREPARED BY / DATE


Courtney Richards
19Sep2022
04:43:00 PM MDT
APPROVED BY / DATE

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Mycotoxins - Colorado Compliance

Test ID: T000221315

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins


	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.74 - 134.46	ND	N/A
Aflatoxin B1	1.02 - 33.11	ND	
Aflatoxin B2	1.02 - 33.67	ND	
Aflatoxin G1	1.02 - 33.57	ND	
Aflatoxin G2	1.09 - 33.80	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Jacob Miller
20Sep2022
02:10:00 PM MDT

PREPARED BY / DATE



Sam Smith
20Sep2022
02:14:00 PM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000221311

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	258 - 2651	ND		Malathion	295 - 2731	ND
Acephate	41 - 2780	ND		Metalaxyl	42 - 2738	ND
Acetamiprid	42 - 2800	ND		Methiocarb	43 - 2695	ND
Azoxystrobin	44 - 2702	ND		Methomyl	36 - 2719	ND
Bifenazate	43 - 2728	ND		MGK 264 1	164 - 1670	ND
Boscalid	44 - 2674	ND		MGK 264 2	107 - 1143	ND
Carbaryl	40 - 2751	ND		Myclobutanil	48 - 2724	ND
Carbofuran	41 - 2750	ND		Naled	46 - 2803	ND
Chlorantraniliprole	40 - 2738	ND		Oxamyl	34 - 2711	ND
Chlorpyrifos	53 - 2720	ND		Paclobutrazol	41 - 2799	ND
Clofentezine	265 - 2842	ND		Permethrin	274 - 2767	ND
Diazinon	289 - 2768	ND		Phosmet	43 - 2732	ND
Dichlorvos	280 - 2808	ND		Prophos	284 - 2688	ND
Dimethoate	40 - 2769	ND		Propoxur	41 - 2754	ND
E-Fenpyroximate	276 - 2826	ND		Pyridaben	292 - 2737	ND
Etofenprox	41 - 2718	ND		Spinosad A	33 - 2247	ND
Etoxazole	295 - 2706	ND		Spinosad D	46 - 491	ND
Fenoxycarb	42 - 2728	ND		Spiromesifen	276 - 2718	ND
Fipronil	47 - 2871	ND		Spirotetramat	280 - 2764	ND
Flonicamid	46 - 2847	ND		Spiroxamine 1	18 - 1156	ND
Fludioxonil	282 - 2772	ND		Spiroxamine 2	25 - 1554	ND
Hexythiazox	38 - 2755	ND		Tebuconazole	275 - 2863	ND
Imazalil	278 - 2773	ND		Thiacloprid	40 - 2786	ND
Imidacloprid	41 - 2785	ND		Thiamethoxam	39 - 2797	ND
Kresoxim-methyl	47 - 2752	ND		Trifloxystrobin	43 - 2770	ND

Final Approval


 Sam Smith
 21Sep2022
 03:18:00 PM MDT
 PREPARED BY / DATE


 Daniel Weidensaul
 21Sep2022
 03:21:00 PM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/8352493f-84eb-4b58-9941-40738e2db297>

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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