

Prepared for:
PET RELEASE

8100 SOUTHPARK WAY
LITTLETON, CO USA 80120

Organic Hemp Oil 100mg


Batch ID or Lot Number: 0523T112	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 5
Reported: 06Jun2023	Started: 05Jun2023	Received: 05Jun2023	

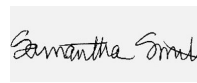
Cannabinoids - Colorado Compliance

Test ID: T000245682
Methods: TM14 (HPLC-DAD): Potency - Standard
Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.618	4.822	<LOQ	<LOQ	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.480	4.411	ND	ND	
Cannabidiol (CBD)	4.419	12.411	102.398	3.66	
Cannabidiolic Acid (CBDA)	4.532	12.729	ND	ND	
Cannabidivarin (CBDV)	1.045	2.935	ND	ND	
Cannabidivarinic Acid (CBDVA)	1.891	5.310	ND	ND	
Cannabigerol (CBG)	0.918	2.738	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	3.839	11.446	ND	ND	
Cannabinol (CBN)	1.198	3.572	ND	ND	
Cannabinolic Acid (CBNA)	2.619	7.809	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.574	13.637	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.154	12.384	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.680	10.973	ND	ND	
Tetrahydrocannabivarin (THCV)	0.835	2.491	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.246	9.678	ND	ND	
Total Cannabinoids			102.398	3.66	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			102.398	3.66	

Final Approval


Karen Winternheimer
07Jun2023
01:39:00 PM MDT
PREPARED BY / DATE



Sam Smith
07Jun2023
01:41:00 PM MDT
APPROVED BY / DATE


Heavy Metals - Colorado Compliance

Test ID: T000245685
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 5.04	ND	
Cadmium	0.05 - 5.01	ND	
Mercury	0.05 - 4.88	ND	
Lead	0.05 - 5.05	ND	

Final Approval


Sam Smith
07Jun2023
11:54:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
07Jun2023
12:02:00 PM MDT
APPROVED BY / DATE

Approved: Paul Gennings QA/QC 06/06/2023

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Residual Solvents - Colorado Compliance

Test ID: T000245686


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1811	ND	
Butanes (Isobutane, n-Butane)	184 - 3675	ND	
Methanol	55 - 1100	ND	
Pentane	92 - 1836	ND	
Ethanol	92 - 1840	ND	
Acetone	89 - 1785	ND	
Isopropyl Alcohol	91 - 1826	ND	
Hexane	5 - 109	ND	
Ethyl Acetate	91 - 1810	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	96 - 1913	ND	
Toluene	16 - 327	ND	
Xylenes (m,p,o-Xylenes)	120 - 2403	ND	

Final Approval


Sam Smith
06Jun2023
08:01:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
06Jun2023
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Microbial Contaminants - Colorado Compliance

Test ID: T000245684
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


Brianne Maillot
08Jun2023
12:30:00 PM MDT
PREPARED BY / DATE


Eden Thompson-Wright
08Jun2023
01:41:00 PM MDT
APPROVED BY / DATE

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Pesticides


Test ID: T000245683

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	331 - 2619	ND		Malathion	280 - 2712	ND
Acephate	40 - 2714	ND		Metalaxyl	42 - 2714	ND
Acetamiprid	40 - 2702	ND		Methiocarb	42 - 2645	ND
Azoxystrobin	46 - 2711	ND		Methomyl	41 - 2736	ND
Bifenazate	42 - 2692	ND		MGK 264 1	174 - 1684	ND
Boscalid	41 - 2623	ND		MGK 264 2	107 - 1086	ND
Carbaryl	39 - 2708	ND		Myclobutanil	47 - 2661	ND
Carbofuran	42 - 2712	ND		Naled	40 - 2731	ND
Chlorantraniliprole	42 - 2644	ND		Oxamyl	41 - 2722	ND
Chlorpyrifos	44 - 2683	ND		Paclobutrazol	41 - 2712	ND
Clofentezine	279 - 2741	ND		Permethrin	308 - 2721	ND
Diazinon	282 - 2710	ND		Phosmet	47 - 2707	ND
Dichlorvos	268 - 2731	ND		Prophos	294 - 2641	ND
Dimethoate	42 - 2690	ND		Propoxur	42 - 2703	ND
E-Fenpyroximate	281 - 2706	ND		Pyridaben	288 - 2659	ND
Etofenprox	42 - 2618	ND		Spinosad A	30 - 2082	ND
Etoxazole	291 - 2665	ND		Spinosad D	62 - 654	ND
Fenoxycarb	31 - 2764	ND		Spiromesifen	252 - 2670	ND
Fipronil	45 - 2634	ND		Spirotetramat	270 - 2756	ND
Fonicamid	55 - 2716	ND		Spiroxamine 1	18 - 1158	ND
Fludioxonil	273 - 2638	ND		Spiroxamine 2	22 - 1479	ND
Hexythiazox	35 - 2731	ND		Tebuconazole	265 - 2723	ND
Imazalil	280 - 2760	ND		Thiacloprid	42 - 2694	ND
Imidacloprid	36 - 2711	ND		Thiamethoxam	41 - 2745	ND
Kresoxim-methyl	46 - 2763	ND		Trifloxystrobin	44 - 2702	ND

Final Approval


Sam Smith
09Jun2023
01:23:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
09Jun2023
01:29:00 PM MDT
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<https://results.botanacor.com/api/v1/coas/uuid/32946212-5e70-4293-ac2c-9f43c34b8045>

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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