

Prepared for:
PET RELEASE

8100 SOUTHPARK WAY
LITTLETON, CO USA 80120

Organic Hemp Oil 200mg

Batch ID or Lot Number: 0523T212	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 5
Reported: 14Jun2023	Started: 13Jun2023	Received: 13Jun2023	


Cannabinoids - Colorado Compliance

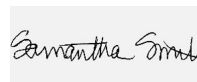
Test ID: T000246414

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.994	6.303	8.211	0.29	# of Servings = 1
Cannabichromenic Acid (CBCA)	1.824	5.765	ND	ND	Sample Weight=28g
Cannabidiol (CBD)	5.469	16.056	217.958	7.78	
Cannabidiolic Acid (CBDA)	5.609	16.468	ND	ND	
Cannabidivarin (CBDV)	1.293	3.797	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	2.340	6.870	ND	ND	
Cannabigerol (CBG)	1.132	3.578	4.607	0.16	
Cannabigerolic Acid (CBGA)	4.733	14.959	ND	ND	
Cannabinol (CBN)	1.477	4.668	ND	ND	
Cannabinolic Acid (CBNA)	3.229	10.206	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.638	17.822	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.121	16.185	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.537	14.340	ND	ND	
Tetrahydrocannabivarin (THCV)	1.030	3.255	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.002	12.649	ND	ND	
Total Cannabinoids			230.776	8.23	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			217.958	7.78	

Final Approval


Karen Winternheimer
14Jun2023
01:15:00 PM MDT
PREPARED BY / DATE


Sam Smith
14Jun2023
01:17:00 PM MDT
APPROVED BY / DATE

Approved: Paul Gennings QA/QC 06-14-2023

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Residual Solvents - Colorado Compliance

Test ID: T000246418


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1911	ND	
Butanes (Isobutane, n-Butane)	187 - 3745	ND	
Methanol	56 - 1111	ND	
Pentane	92 - 1847	ND	
Ethanol	97 - 1937	ND	
Acetone	91 - 1824	ND	
Isopropyl Alcohol	97 - 1933	ND	
Hexane	6 - 111	ND	
Ethyl Acetate	92 - 1848	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	97 - 1947	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	130 - 2600	ND	

Final Approval


Sam Smith
14Jun2023
07:41:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
14Jun2023
07:46:00 AM MDT

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Pesticides


Test ID: T000246415

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	324 - 2708	ND		Malathion	284 - 2734	ND
Acephate	42 - 2749	ND		Metalaxyl	40 - 2728	ND
Acetamiprid	42 - 2736	ND		Methiocarb	43 - 2696	ND
Azoxystrobin	42 - 2732	ND		Methomyl	40 - 2755	ND
Bifenazate	36 - 2734	ND		MGK 264 1	170 - 1682	ND
Boscalid	41 - 2633	ND		MGK 264 2	116 - 1089	ND
Carbaryl	42 - 2725	ND		Myclobutanil	49 - 2712	ND
Carbofuran	40 - 2721	ND		Naled	48 - 2769	ND
Chlorantraniliprole	43 - 2679	ND		Oxamyl	43 - 2761	ND
Chlorpyrifos	48 - 2707	ND		Paclobutrazol	43 - 2723	ND
Clofentezine	295 - 2728	ND		Permethrin	268 - 2709	ND
Diazinon	269 - 2743	ND		Phosmet	41 - 2716	ND
Dichlorvos	285 - 2773	ND		Prophos	294 - 2657	ND
Dimethoate	43 - 2725	ND		Propoxur	41 - 2732	ND
E-Fenpyroximate	288 - 2730	ND		Pyridaben	304 - 2699	ND
Etofenprox	42 - 2687	ND		Spinosad A	31 - 2094	ND
Etoxazole	312 - 2668	ND		Spinosad D	66 - 658	ND
Fenoxycarb	21 - 2754	ND		Spiromesifen	286 - 2701	ND
Fipronil	62 - 2678	ND		Spirotetramat	266 - 2795	ND
Flonicamid	40 - 2782	ND		Spiroxamine 1	15 - 1217	ND
Fludioxonil	283 - 2660	ND		Spiroxamine 2	26 - 1496	ND
Hexythiazox	42 - 2695	ND		Tebuconazole	261 - 2748	ND
Imazalil	269 - 2767	ND		Thiacloprid	43 - 2712	ND
Imidacloprid	44 - 2811	ND		Thiamethoxam	41 - 2774	ND
Kresoxim-methyl	21 - 2779	ND		Trifloxystrobin	42 - 2718	ND

Final Approval


Karen Winternheimer
16Jun2023
04:36:00 PM MDT
PREPARED BY / DATE


Sam Smith
16Jun2023
04:38:00 PM MDT
APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000246416
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


Brianne Maillot
16Jun2023
10:07:00 AM MDT

PREPARED BY / DATE


Brett Hudson
16Jun2023
03:57:00 PM MDT


APPROVED BY / DATE

Heavy Metals - Colorado Compliance


Test ID: T000246417
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.07 - 7.09	ND	
Cadmium	0.05 - 4.73	ND	
Mercury	0.05 - 4.72	ND	
Lead	0.10 - 9.95	ND	

Final Approval


Sam Smith
20Jun2023
02:21:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
20Jun2023
02:35:00 PM MDT

APPROVED BY / DATE

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Approved: Paul Gennings QA/QC 06-14-2023



<https://results.botanacor.com/api/v1/coas/uuid/43174216-dd36-45c8-9363-3ccdbd98c90d>

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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