

Prepared for:
PET RELEASE

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 200mg


Batch ID or Lot Number: 1122T209	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 4
Reported: 06Dec2022	Started: 05Dec2022	Received: 02Dec2022	


Cannabinoids - Colorado Compliance

Test ID: T000229574
Methods: TM14 (HPLC-DAD): Potency – Standard
Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.658	6.088	7.044	0.25	# of Servings = 1
Cannabichromenic Acid (CBCA)	1.517	5.568	ND	ND	Sample Weight=28g
Cannabidiol (CBD)	5.341	15.831	206.856	7.39	
Cannabidiolic Acid (CBDA)	5.478	16.237	ND	ND	
Cannabidivarin (CBDV)	1.263	3.744	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.285	6.773	ND	ND	
Cannabigerol (CBG)	0.942	3.457	4.024	0.14	
Cannabigerolic Acid (CBGA)	3.936	14.450	ND	ND	
Cannabinol (CBN)	1.228	4.509	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	2.685	9.859	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.689	17.215	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.258	15.634	8.112	0.29	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.773	13.852	ND	ND	
Tetrahydrocannabivarin (THCV)	0.856	3.144	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.328	12.218	ND	ND	
Total Cannabinoids			226.036	8.07	
Total Potential THC			8.112	0.29	
Total Potential CBD			206.856	7.39	

Final Approval


Sam Smith
06Dec2022
01:59:00 PM MST
PREPARED BY / DATE



Karen Winternheimer
06Dec2022
02:07:00 PM MST
APPROVED BY / DATE

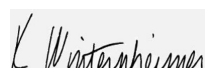
Heavy Metals - Colorado Compliance

Test ID: T000229577
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.04 - 4.44	ND	
Lead	0.05 - 5.08	ND	

Final Approval


Sam Smith
08Dec2022
01:13:00 PM MST
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Karen Winternheimer
08Dec2022
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APPROVED: Richie Bryan QA/QC 1/26/2023

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Pesticides


Test ID: T000229575

Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	335 - 2667	ND	Malathion	290 - 2707	ND
Acephate	41 - 2767	ND	Metalaxyl	38 - 2744	ND
Acetamiprid	42 - 2742	ND	Methiocarb	44 - 2686	ND
Azoxystrobin	42 - 2720	ND	Methomyl	41 - 2754	ND
Bifenazate	40 - 2728	ND	MGK 264 1	166 - 1627	ND
Boscalid	44 - 2714	ND	MGK 264 2	116 - 1113	ND
Carbaryl	43 - 2725	ND	Myclobutanil	38 - 2682	ND
Carbofuran	42 - 2708	ND	Naled	42 - 2756	ND
Chlorantraniliprole	43 - 2667	ND	Oxamyl	40 - 2746	ND
Chlorpyrifos	38 - 2642	ND	Paclobutrazol	48 - 2701	ND
Clofentezine	279 - 2733	ND	Permethrin	294 - 2686	ND
Diazinon	276 - 2737	ND	Phosmet	40 - 2702	ND
Dichlorvos	280 - 2790	ND	Prophos	290 - 2696	ND
Dimethoate	38 - 2742	ND	Propoxur	42 - 2704	ND
E-Fenpyroximate	294 - 2676	ND	Pyridaben	305 - 2654	ND
Etofenprox	42 - 2681	ND	Spinosad A	32 - 2231	ND
Etoxazole	306 - 2670	ND	Spinosad D	49 - 485	ND
Fenoxycarb	42 - 2736	ND	Spiromesifen	290 - 2693	ND
Fipronil	41 - 2666	ND	Spirotetramat	278 - 2722	ND
Flonicamid	47 - 2713	ND	Spiroxamine 1	18 - 1128	ND
Fludioxonil	267 - 2705	ND	Spiroxamine 2	22 - 1539	ND
Hexythiazox	39 - 2705	ND	Tebuconazole	285 - 2720	ND
Imazalil	250 - 2752	ND	Thiacloprid	42 - 2742	ND
Imidacloprid	47 - 2728	ND	Thiamethoxam	39 - 2769	ND
Kresoxim-methyl	38 - 2747	ND	Trifloxystrobin	43 - 2732	ND

Final Approval


Sam Smith
06Dec2022
11:07:00 AM MST
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Karen Winternheimer
06Dec2022
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APPROVED: Richie Bryan QA/QC 1/26/2023

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Residual Solvents - Colorado Compliance

Test ID: T000229578


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	87 - 1740	ND	
Butanes (Isobutane, n-Butane)	172 - 3445	ND	
Methanol	56 - 1123	ND	
Pentane	94 - 1880	ND	
Ethanol	90 - 1801	ND	
Acetone	91 - 1824	ND	
Isopropyl Alcohol	94 - 1887	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	93 - 1863	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	94 - 1874	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	122 - 2436	ND	

Final Approval


Sam Smith
06Dec2022
02:12:00 PM MST

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Karen Winternheimer
06Dec2022
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APPROVED: Richie Bryan QA/QC 1/26/2023

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Microbial Contaminants - Colorado Compliance

Test ID: T000229576
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
09Dec2022
09:49:00 AM MST
PREPARED BY / DATE


Eden Thompson-Wright
09Dec2022
10:35:00 AM MST
APPROVED BY / DATE

APPROVED: Richie Bryan QA/QC 1/26/2023



<https://results.botanacor.com/api/v1/coas/uuid/e7484581-0b34-4434-aedc-067bdf7736fc>

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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