

CERTIFICATE OF ANALYSIS

Prepared for:
PET RELEASE

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 750mg

Batch ID or Lot Number: 0423T406	Test: Potency	Reported: 03May2023	USDA License: N/A
Matrix: Unit	Test ID: T000242762	Started: 02May2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 28Apr2023	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	2.118	6.010	32.787	1.17	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.937	5.497	ND	ND	
Cannabidiol (CBD)	6.188	15.970	824.593	29.45	
Cannabidiolic Acid (CBDA)	6.346	16.379	ND	ND	
Cannabidivarin (CBDV)	1.463	3.777	5.162	0.18	
Cannabidivarinic Acid (CBDVA)	2.647	6.833	ND	ND	
Cannabigerol (CBG)	1.202	3.412	24.008	0.86	
Cannabigerolic Acid (CBGA)	5.027	14.265	ND	ND	
Cannabinol (CBN)	1.569	4.452	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	3.429	9.732	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.988	16.994	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.439	15.434	36.424	1.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.819	13.675	ND	ND	
Tetrahydrocannabivarin (THCV)	1.094	3.104	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.250	12.062	ND	ND	
Total Cannabinoids			922.974	32.96	
Total Potential THC			36.424	1.30	
Total Potential CBD			824.593	29.45	

APPROVED: Richie Bryan QA/QC 5/3/2023

Final Approval



Karen Winternheimer
03May2023
12:19:00 PM MDT

PREPARED BY / DATE



Sam Smith
03May2023
12:22:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/d5701a02-8e98-43df-ab8d-bcbe63ee17f7>

Definitions

% = % (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)).

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.



Cert #4329.02

CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
PET RELEASE


8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 750mg

Batch ID or Lot Number: 0423T406	Test: Residual Solvents	Reported: 01May2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000242766	Started: 30Apr2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 28Apr2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	103 - 2052	ND	
Butanes (Isobutane, n-Butane)	208 - 4154	ND	
Methanol	64 - 1281	ND	
Pentane	101 - 2020	ND	
Ethanol	102 - 2044	ND	
Acetone	102 - 2049	ND	
Isopropyl Alcohol	107 - 2135	ND	
Hexane	6 - 122	ND	
Ethyl Acetate	103 - 2068	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	103 - 2065	ND	
Toluene	18 - 359	ND	
Xylenes (m,p,o-Xylenes)	131 - 2620	ND	

Final Approval



Sam Smith
01May2023
10:44:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
01May2023
10:45:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/67c1f03f-8d94-41b4-a1c6-5521cef6f53e>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
PET RELEASE


8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 750mg

Batch ID or Lot Number: 0423T406	Test: Pesticides	Reported: 05May2023	USDA License: NA
Matrix: Concentrate	Test ID: T000242763	Started: 04May2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 28Apr2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	357 - 3481	ND	Malathion	300 - 2788	ND
Acephate	68 - 2750	ND	Metalaxyl	44 - 2763	ND
Acetamiprid	46 - 2854	ND	Methiocarb	50 - 2812	ND
Azoxystrobin	44 - 2716	ND	Methomyl	49 - 2924	ND
Bifenazate	37 - 2690	ND	MGK 264 1	189 - 1720	ND
Boscalid	47 - 2701	ND	MGK 264 2	122 - 1074	ND
Carbaryl	39 - 2777	ND	Myclobutanil	49 - 2745	ND
Carbofuran	44 - 2766	ND	Naled	47 - 2797	ND
Chlorantraniliprole	48 - 2676	ND	Oxamyl	50 - 2938	ND
Chlorpyrifos	38 - 2918	ND	Pacllobutrazol	38 - 2635	ND
Clofentezine	297 - 2744	ND	Permethrin	279 - 2800	ND
Diazinon	282 - 2764	ND	Phosmet	42 - 2709	ND
Dichlorvos	369 - 2754	ND	Prophos	290 - 2836	ND
Dimethoate	51 - 2873	ND	Propoxur	43 - 2770	ND
E-Fenpyroximate	291 - 2742	ND	Pyridaben	286 - 2813	ND
Etofenprox	41 - 2846	ND	Spinosad A	32 - 2061	ND
Etoxazole	284 - 2909	ND	Spinosad D	64 - 700	ND
Fenoxycarb	2 - 2719	ND	Spiromesifen	316 - 2739	ND
Fipronil	56 - 2573	ND	Spirotetramat	285 - 2660	ND
Flonicamid	45 - 2849	ND	Spiroxamine 1	20 - 1229	ND
Fludioxonil	313 - 2758	ND	Spiroxamine 2	27 - 1592	ND
Hexythiazox	40 - 2748	ND	Tebuconazole	297 - 2618	ND
Imazalil	284 - 2789	ND	Thiacloprid	46 - 2805	ND
Imidacloprid	37 - 2793	ND	Thiamethoxam	42 - 2840	ND
Kresoxim-methyl	39 - 2799	ND	Trifloxystrobin	44 - 2739	ND

Final Approval



Karen Winternheimer
05May2023
12:31:00 PM MDT

PREPARED BY / DATE



Sam Smith
05May2023
12:33:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/89ce0da2-5f59-4e8d-9492-3f0fd3537443>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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CERTIFICATE OF ANALYSIS

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8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120


Organic Hemp Oil 750mg

Batch ID or Lot Number: 0423T406	Test: Heavy Metals	Reported: 01May2023	USDA License: NA
Matrix: Unit Co	Test ID: T000242765	Started: 28Apr2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 28Apr2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.39	ND	
Cadmium	0.04 - 4.46	ND	
Mercury	0.05 - 4.58	ND	
Lead	0.04 - 4.39	ND	

Final Approval



Sam Smith
01May2023
11:56:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
01May2023
12:04:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/00466fce-6f10-4279-897a-e8a6a487fe82>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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CERTIFICATE OF ANALYSIS

Prepared for:
PET RELEASE

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 750mg

Batch ID or Lot Number: 0423T406	Test: Microbial Contaminants	Reported: 01May2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000242764	Started: 28Apr2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 28Apr2023	Status: Active

Microbial Contaminants

Contaminants	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



Brett Hudson
01May2023
02:20:00 PM MDT

PREPARED BY / DATE



Eden Thompson-Wright
01May2023
04:52:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/eb8162bc-c9d3-48f2-826e-de25111aaee8>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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