

CERTIFICATE OF ANALYSIS

Prepared for:
PET RELIEF

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 500mg

Batch ID or Lot Number: 0423T311	Test: Potency	Reported: 03May2023	USDA License: N/A
Matrix: Unit	Test ID: T000242854	Started: 02May2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 01May2023	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	2.093	5.940	22.056	0.79	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.914	5.433	ND	ND	
Cannabidiol (CBD)	6.115	15.782	554.618	19.81	
Cannabidiolic Acid (CBDA)	6.272	16.187	ND	ND	
Cannabidivarin (CBDV)	1.446	3.733	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.616	6.752	ND	ND	
Cannabigerol (CBG)	1.188	3.372	16.149	0.58	
Cannabigerolic Acid (CBGA)	4.968	14.097	ND	ND	
Cannabinol (CBN)	1.550	4.399	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	3.389	9.618	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.918	16.795	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.375	15.253	23.369	0.83	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.762	13.514	ND	ND	
Tetrahydrocannabivarin (THCV)	1.081	3.067	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.200	11.920	ND	ND	
Total Cannabinoids			616.192	22.01	
Total Potential THC			23.369	0.83	
Total Potential CBD			554.618	19.81	


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/371293bb-707b-4a39-89c0-bf2b7c11cf17>

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)).

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Cert #4329.02

CDPHE Certified

371293bb707b4a3989c0bf2b7c11cf17.1

CERTIFICATE OF ANALYSIS

Prepared for:

PET RELEASE

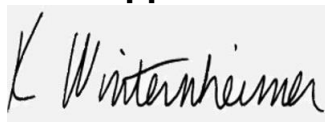
8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 500mg

Batch ID or Lot Number: 0423T311	Test: Residual Solvents	Reported: 04May2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000242858	Started: 03May2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 01May2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1720	ND	
Butanes (Isobutane, n-Butane)	179 - 3586	ND	
Methanol	54 - 1081	ND	
Pentane	92 - 1842	ND	
Ethanol	93 - 1862	ND	
Acetone	93 - 1862	ND	
Isopropyl Alcohol	94 - 1872	ND	
Hexane	5 - 110	ND	
Ethyl Acetate	92 - 1842	ND	
Benzene	0.2 - 3.3	ND	
Heptanes	94 - 1870	ND	
Toluene	16 - 330	ND	
Xylenes (m,p,o-Xylenes)	118 - 2357	ND	

Final Approval



Karen Winternheimer
04May2023
10:29:00 AM MDT

PREPARED BY / DATE



Sam Smith
04May2023
10:31:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/27df5a35-0e4a-4359-80cd-3f2572f8614a>

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 RELEAF

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 500mg


Batch ID or Lot Number: 0423T311	Test: Microbial Contaminants	Reported: 05May2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000242856	Started: 02May2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 01May2023	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



Eden Thompson-Wright
05May2023
02:00:00 PM MDT



Brett Hudson
05May2023
04:46:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/26d3d76a-7279-4f6a-ae0e-9d7aff8c432d>

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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CERTIFICATE OF ANALYSIS

Prepared for:

PET RELEASE

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120


Organic Hemp Oil 500mg

Batch ID or Lot Number: 0423T311	Test: Heavy Metals	Reported: 05May2023	USDA License: NA
Matrix: Unit Co	Test ID: T000242857	Started: 05May2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 01May2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.82	ND	
Cadmium	0.05 - 4.65	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.01 - 1.47	ND	

Final Approval



Sam Smith
05May2023
12:10:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
05May2023
12:14:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/d44bda0b-36a3-4571-8cb2-9bb7e64122a1>

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 RELIEF

8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Organic Hemp Oil 500mg

Batch ID or Lot Number: 0423T311	Test: Pesticides	Reported: 05May2023	USDA License: NA
Matrix: Concentrate	Test ID: T000242855	Started: 04May2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 01May2023	Status: NA

Pesticides

	Dynamic Range (ppb)	Result (ppb)
Abamectin	357 - 3481	ND
Acephate	68 - 2750	ND
Acetamiprid	46 - 2854	ND
Azoxystrobin	44 - 2716	ND
Bifenazate	37 - 2690	ND
Boscalid	47 - 2701	ND
Carbaryl	39 - 2777	ND
Carbofuran	44 - 2766	ND
Chlorantraniliprole	48 - 2676	ND
Chlorpyrifos	38 - 2918	ND
Clofentezine	297 - 2744	ND
Diazinon	282 - 2764	ND
Dichlorvos	369 - 2754	ND
Dimethoate	51 - 2873	ND
E-Fenpyroximate	291 - 2742	ND
Etofenprox	41 - 2846	ND
Etoxazole	284 - 2909	ND
Fenoxycarb	2 - 2719	ND
Fipronil	56 - 2573	ND
Flonicamid	45 - 2849	ND
Fludioxonil	313 - 2758	ND
Hexythiazox	40 - 2748	ND
Imazalil	284 - 2789	ND
Imidacloprid	37 - 2793	ND
Kresoxim-methyl	39 - 2799	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	300 - 2788	ND
Metalaxyl	44 - 2763	ND
Methiocarb	50 - 2812	ND
Methomyl	49 - 2924	ND
MGK 264 1	189 - 1720	ND
MGK 264 2	122 - 1074	ND
Myclobutanil	49 - 2745	ND
Naled	47 - 2797	ND
Oxamyl	50 - 2938	ND
Paclobutrazol	38 - 2635	ND
Permethrin	279 - 2800	ND
Phosmet	42 - 2709	ND
Prophos	290 - 2836	ND
Propoxur	43 - 2770	ND
Pyridaben	286 - 2813	ND
Spinosad A	32 - 2061	ND
Spinosad D	64 - 700	ND
Spiromesifen	316 - 2739	ND
Spirotetramat	285 - 2660	ND
Spiroxamine 1	20 - 1229	ND
Spiroxamine 2	27 - 1592	ND
Tebuconazole	297 - 2618	ND
Thiacloprid	46 - 2805	ND
Thiamethoxam	42 - 2840	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/266eb020-2883-42e2-81b4-bfc243d8142a>

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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