

Prepared for:

Pet Releaf

8100 Southpark Way
Littleton, CO USA 80120

Organic Hemp Oil 750mg

Batch ID or Lot Number: 1023T408	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 1 of 3
Reported: 02Nov2023	Started: 02Nov2023	Received: 31Oct2023	


Heavy Metals - Colorado Compliance


Test ID: T000260565

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.05 - 4.62	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.06 - 5.58	ND	

Final Approval


Sam Smith
02Nov2023
01:02:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
02Nov2023
01:12:00 PM MDT
APPROVED BY / DATE

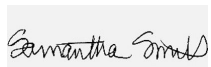
Cannabinoids - Colorado Compliance


Test ID: T000260562

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.750	5.016	26.634	0.95	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.600	4.588	ND	ND	
Cannabidiol (CBD)	5.534	14.212	850.011	30.36	
Cannabidiolic Acid (CBDA)	5.676	14.577	<LOQ	<LOQ	
Cannabidivarin (CBDV)	1.309	3.361	16.414	0.59	
Cannabidivarinic Acid (CBDVA)	2.368	6.081	ND	ND	
Cannabigerol (CBG)	0.993	2.848	15.382	0.55	
Cannabigerolic Acid (CBGA)	4.153	11.906	ND	ND	
Cannabinol (CBN)	1.296	3.716	ND	ND	
Cannabinolic Acid (CBNA)	2.833	8.123	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.947	14.184	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.493	12.882	21.704	0.78	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.981	11.413	ND	ND	
Tetrahydrocannabivarin (THCV)	0.904	2.591	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	3.511	10.067	ND	ND	
Total Cannabinoids			930.145	33.23	
Total Potential THC			21.704	0.78	
Total Potential CBD			850.011	30.36	

Final Approval


Sam Smith
02Nov2023
12:29:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
02Nov2023
12:36:00 PM MDT
APPROVED BY / DATE

Approved: Paul Gennings QC 11-02-23

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Residual Solvents - Colorado Compliance


Test ID: T000260566

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1888	ND	
Butanes (Isobutane, n-Butane)	186 - 3720	ND	
Methanol	63 - 1261	ND	
Pentane	97 - 1941	ND	
Ethanol	97 - 1947	ND	
Acetone	101 - 2016	ND	
Isopropyl Alcohol	106 - 2119	ND	
Hexane	6 - 123	ND	
Ethyl Acetate	103 - 2056	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	99 - 1982	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	133 - 2666	ND	

Final Approval


Karen Winternheimer
02Nov2023
02:35:00 PM MDT
PREPARED BY / DATE


Sam Smith
02Nov2023
02:37:00 PM MDT
APPROVED BY / DATE

Prepared for:
Pet Relief

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Littleton, CO USA 80120

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Microbial Contaminants - Colorado Compliance

Test ID: T000260564
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



Brett Hudson
03Nov2023
09:20:00 AM MDT

PREPARED BY / DATE



Brianne Maillot
03Nov2023
10:35:00 AM MDT

APPROVED BY / DATE

Approved: Paul Gennings
QC 11-02-23



<https://results.botanacor.com/api/v1/coas/uuid/c9b7bae4-3451-44c4-930c-d8980616cb73>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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