

CERTIFICATE OF ANALYSIS

Prepared for:

Zen Organics Inc

1309 Coffeen Avenue STE 1200
Sheridan, WY USA 82801


50 mg PM Softgels

Batch ID or Lot Number: SG18F2402	Test: Potency	Reported: 25Jul2024	USDA License: N/A
Matrix: Unit	Test ID: T000285866	Started: 23Jul2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 23Jul2024	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.043	0.148	0.390	0.67	# of Servings = 1 Sample Weight=0.586g
Cannabichromenic Acid (CBCA)	0.039	0.135	ND	ND	
Cannabidiol (CBD)	0.162	0.421	48.752	83.17	
Cannabidiolic Acid (CBDA)	0.166	0.432	ND	ND	
Cannabidivarin (CBDV)	0.038	0.100	0.247	0.42	
Cannabidivarinic Acid (CBDVA)	0.069	0.180	ND	ND	
Cannabigerol (CBG)	0.024	0.084	2.144	3.66	
Cannabigerolic Acid (CBGA)	0.102	0.350	ND	ND	
Cannabinol (CBN)	0.032	0.109	4.960	8.46	
Cannabinolic Acid (CBNA)	0.070	0.239	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.122	0.417	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.111	0.379	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.098	0.336	ND	ND	
Tetrahydrocannabivarin (THCV)	0.022	0.076	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.087	0.296	ND	ND	
Total Cannabinoids			56.493	96.38	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			48.752	83.17	

Final Approval



Karen Winternheimer
25Jul2024
11:16:00 AM MDT

PREPARED BY / DATE



Sam Smith
25Jul2024
11:21:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c0187e68-2136-4522-8ef2-2fac41777a8c>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

CDPHE Certified

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**Certificate of Analysis for**

Panacea Life Sciences
16194 W 45th Dr
Golden, CO 80401
Phone: (800) 985-0515

Received: 7/3/2024 @ 24.5 °C
Report ID: 2407177

Manufactured for: Zen Organics, 1309 Coffeen Avenue STE 1200, Sheridan, WY USA 82801

Sample ID: 2407177-001 PM 50mg Softgells - SG18F2402

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 07/08/24

Aerobic Plate Count	< 10	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 07/08/24

Total Coliform Bacteria	< 10	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 07/08/24

Escherichia coli	< 10	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 07/10/24

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	< 0.005	mg/kg (ppm)	Mercury (Hg)	0.013	mg/kg (ppm)

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 07/08/24

Salmonella spp.	Negative	/25 g
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STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 07/08/24

Shiga toxin-producing E. coli	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 07/08/24

Yeast and Mold	< 10	CFU/g
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Report ID 2407177 has been amended as follows: In the report header, "Manufactured for: Zen Organics, 1309 Coffeen Avenue STE 1200, Sheridan, WY USA 82801" was added.

Reported By:

Trent M Millin, Microbiology Laboratory Manager, 9/4/2024