

Prepared for:

**Zen Organics Inc**

1309 Coffeen Avenue STE 1200  
Sheridan, WY USA 82801

## Isolate 1000 Lemon Myrtle

Batch ID or Lot Number: <b>TN14H2402</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 2
Reported: <b>28Aug2024</b>	Started: 27Aug2024	Received: 23Aug2024	


## Cannabinoids - Colorado Compliance


Test ID: T000288781

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.389	4.727	ND	ND	# of Servings = 1 Sample Weight=28.5g
Cannabichromenic Acid (CBCA)	1.270	4.324	ND	ND	
Cannabidiol (CBD)	5.456	15.714	1079.619	37.88	
Cannabidiolic Acid (CBDA)	5.596	16.117	ND	ND	
Cannabidivarin (CBDV)	1.290	3.717	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	2.334	6.723	ND	ND	
Cannabigerol (CBG)	0.789	2.684	ND	ND	
Cannabigerolic Acid (CBGA)	3.297	11.219	ND	ND	
Cannabinol (CBN)	1.029	3.501	ND	ND	
Cannabinolic Acid (CBNA)	2.249	7.655	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	3.928	13.366	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.567	12.139	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.160	10.755	ND	ND	
Tetrahydrocannabivarin (THCV)	0.717	2.441	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	2.787	9.486	ND	ND	
<b>Total Cannabinoids</b>			<b>1079.619</b>	<b>37.88</b>	
Total Potential THC			ND	ND	
Total Potential CBD			1079.619	37.88	

### Final Approval

  
Sam Smith  
28Aug2024  
12:40:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
28Aug2024  
12:48:00 PM MDT  
APPROVED BY / DATE

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## Microbial Contaminants - Colorado Compliance

Test ID: T000288782  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval

  
Nora Langer  
29Aug2024  
04:13:00 PM MDT

  
Brett Hudson  
29Aug2024  
04:50:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8ac7c355-548c-4ed6-9286-ba964f0a4ccf>

**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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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