

Prepared for:

**Zen Organics Inc**

1309 Coffeen Avenue STE 1200  
Sheridan, WY USA 82801

## Full Defense 1000 Lemon Myrtle Tincture

Batch ID or Lot Number: <b>TN20H2401</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: T000288785

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

Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.463	4.980	43.463	1.53	# of Servings = 1 Sample Weight=28.5g
Cannabichromenic Acid (CBCA)	1.339	4.555	ND	ND	
Cannabidiol (CBD)	5.748	16.557	1241.314	43.55	
Cannabidiolic Acid (CBDA)	5.896	16.982	ND	ND	
Cannabidivarin (CBDV)	1.360	3.916	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	2.459	7.084	ND	ND	
Cannabigerol (CBG)	0.831	2.828	ND	ND	
Cannabigerolic Acid (CBGA)	3.473	11.821	ND	ND	
Cannabinol (CBN)	1.084	3.689	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	2.370	8.065	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.138	14.083	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.758	12.790	28.030	0.98	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.330	11.332	ND	ND	
Tetrahydrocannabivarin (THCV)	0.756	2.572	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	2.937	9.995	ND	ND	
<b>Total Cannabinoids</b>			<b>1312.807</b>	<b>46.06</b>	
Total Potential THC			28.030	0.98	
Total Potential CBD			1241.314	43.55	

### 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: T000288786  
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/03f8b5fd-709b-46a3-9435-3d3ac687658b>

**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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