

Prepared for:

120621-Lion's Mane Gummy-D-KAB0304021
Arcanum

Batch ID or Lot Number: 1221LM	Test: Potency	Reported: 12/9/21	Location: 492 S Suite B Colorado Blvd Glendale, CO 80246
Matrix: Unit	Test ID: T000180531	Started: 12/8/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Full Spectrum Analysis, 0.3% THC (Colorado Panel)	Received: 12/07/2021 @ 09:19 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.660	1.891	ND	ND	# of Servings = 1 Sample Weight=2.5g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.745	2.134	0.875	0.35	
Cannabidiolic acid (CBDA)	0.669	2.235	ND	ND	
Cannabidiol (CBD)	0.653	2.179	17.017	6.81	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.820	2.350	ND	ND	
Cannabinolic Acid (CBNA)	0.470	1.346	ND	ND	
Cannabinol (CBN)	0.215	0.616	ND	ND	
Cannabigerolic acid (CBGA)	0.688	1.972	ND	ND	
Cannabigerol (CBG)	0.165	0.472	0.607	0.24	
Tetrahydrocannabivarinic Acid (THCVA)	0.582	1.668	ND	ND	
Tetrahydrocannabivarin (THCV)	0.150	0.429	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.279	0.932	ND	ND	
Cannabidivarin (CBDV)	0.154	0.515	ND	ND	
Cannabichromenic Acid (CBCA)	0.265	0.760	ND	ND	
Cannabichromene (CBC)	0.290	0.831	ND	ND	
Total Cannabinoids			18.499	7.40	
Total Potential THC**			0.875	0.35	
Total Potential CBD**			17.017	6.81	



 Ryan Weems
 09-Dec-2021
 04:30 PM



 Karen Winternheimer
 9-Dec-21
 4:35 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



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Certificate #4329.02


Prepared for:

120621-Lion's Mane Gummy-D-KAB0304021
Arcanum


Batch ID or Lot Number: 1221LM	Test: Microbial Contaminants	Reported: 12/10/21	Location: 492 S Suite B Colorado Blvd Glendale, CO 80246
Matrix: Finished Product	Test ID: T000180532	Started: 12/7/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 12/07/2021 @ 09:19 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Brianne Maillot
 12/10/2021
 1:36:00 PM

PREPARED BY / DATE


 Carly Bader
 12/10/2021
 1:49:00 PM

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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

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