


Prepared for:


121321-C3-HTD060121
Arcanum

Batch ID or Lot Number: 1221C3	Test: Potency	Reported: 12/16/21	Location: 492 S Suite B Colorado Blvd Glendale, CO 80246
Matrix: Concentrate	Test ID: T000182011	Started: 12/15/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 12/13/2021 @ 02:26 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.017	0.053	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.019	0.059	0.182	1.82	
Cannabidiolic acid (CBDA)	0.020	0.061	ND	ND	
Cannabidiol (CBD)	0.020	0.060	2.865	28.65	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.021	0.066	ND	ND	
Cannabinolic Acid (CBNA)	0.012	0.038	ND	ND	
Cannabinol (CBN)	0.005	0.017	1.450	14.50	
Cannabigerolic acid (CBGA)	0.018	0.055	ND	ND	
Cannabigerol (CBG)	0.004	0.013	0.792	7.92	
Tetrahydrocannabivarinic Acid (THCVA)	0.015	0.046	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.025	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.021	ND	ND	
Cannabichromene (CBC)	0.007	0.023	0.017*	0.17*	
Total Cannabinoids			5.306	53.06	
Total Potential THC**			0.182	1.82	
Total Potential CBD**			2.865	28.65	


 Hannah Wright
 16-Dec-2021
 12:54 PM


 Ryan Weems
 16-Dec-21
 12:58 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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (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-C3-HTD060121
Arcanum


Batch ID or Lot Number: 1221C3	Test: Microbial Contaminants	Reported: 12/10/21	Location: 492 S Suite B Colorado Blvd Glendale, CO 80246
Matrix: Finished Product	Test ID: T000180536	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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