

Prepared for:

042822-Sarco Freeze- HTD060121

Arcanum

Batch ID or Lot Number: 042822	Test: Potency	Reported: 5/4/22	Location: 492 S Suite B Colorado Blvd Glendale, CO 80246
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Matrix: Concentrate	Test ID: T000205345	Started: 5/3/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 05/02/2022 @ 08:52 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.015	0.046	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.017	0.052	0.023	0.23	
Cannabidiolic acid (CBDA)	0.016	0.054	ND	ND	
Cannabidiol (CBD)	0.016	0.053	0.552	5.52	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.018	0.057	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.033	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.015	0.048	ND	ND	
Cannabigerol (CBG)	0.004	0.011	0.011*	0.11*	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.040	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.023	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabichromene (CBC)	0.007	0.020	ND	ND	
Total Cannabinoids			0.586	5.86	
Total Potential THC**			0.023	0.23	
Total Potential CBD**			0.552	5.52	



Hannah Wright
4-May-22
4:22 PM



Sam Smith
4-May-22
4:29 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.



CDPHE Certified



Certificate #4329.02

CERTIFICATE OF ANALYSIS

Prepared for:

Arcanum

 492 S Suite B Colorado Blvd
 Glendale, CO USA 80246

042822-Sarco Freeze- HTD060121

Batch ID or Lot Number: 042822	Test: Microbial Contaminants	Reported: 05May2022	USDA License: N/A
Matrix: Finished Product	Test ID: T000205346	Started: 05May2022	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 02May2022	Status: Active

Microbial
Contaminants

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

Final Approval


 Carly Bader
 05May2022
 10:42:00 AM MDT



 Brett Hudson
 05May2022
 10:45:00 AM MDT


PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/e5e7bdbbe-c317-4193-aff5-45905040b798>
Definitions

* 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
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

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