

Prepared for:

Coconut Massage Butter
Armitage Apothecary LLC


Batch ID or Lot Number: 2213-7002W	Test: Potency	Reported: 1/31/22	Location: 2811 21st St Boulder, CO 80304
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Matrix: Unit	Test ID: T000189804	Started: 1/28/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 01/27/2022 @ 10:38 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	90.310	269.990	ND	ND	# of Servings = 1 Sample Weight=215g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	101.930	304.729	ND	ND	
Cannabidiolic acid (CBDA)	98.832	306.195	ND	ND	
Cannabidiol (CBD)	96.361	298.538	3790.536	17.63	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	112.235	335.537	ND	ND	
Cannabinolic Acid (CBNA)	64.275	192.156	ND	ND	
Cannabinol (CBN)	29.400	87.893	ND	ND	
Cannabigerolic acid (CBGA)	94.208	281.643	ND	ND	
Cannabigerol (CBG)	22.536	67.373	729.177	3.39	
Tetrahydrocannabivarinic Acid (THCVA)	79.657	238.143	ND	ND	
Tetrahydrocannabivarin (THCV)	20.498	61.281	ND	ND	
Cannabidivarinic Acid (CBDVA)	41.228	127.729	ND	ND	
Cannabidivarin (CBDV)	22.790	70.607	ND	ND	
Cannabichromenic Acid (CBCA)	36.304	108.535	ND	ND	
Cannabichromene (CBC)	39.692	118.662	ND	ND	
Total Cannabinoids			4519.713	21.02	
Total Potential THC**			ND	ND	
Total Potential CBD**			3790.536	17.63	


 Hannah Wright
 31-Jan-2022
 01:33 PM


 Ryan Weems
 31-Jan-22
 2:46 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.



CDPHE Certified



Certificate #4329.02


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Coconut Massage Butter
Armitage Apothecary LLC

Batch ID or Lot Number: 2213-7002W	Test: Microbial Contaminants	Reported: 1/31/22	Location: 2811 21st St Boulder, CO 80304
Matrix: Finished Product	Test ID: T000189805	Started: 1/27/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 01/27/2022 @ 10:38 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	


 Jackson Osaghae-Nosa
 1/31/2022
 9:25:00 AM


 Brianne Maillot
 1/31/2022
 11:16:00 AM

PREPARED BY / DATE

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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