

Prepared for:

Sapphire Essentials LLC

1975 E. Western Reserve Road. Suite B2
Poland, OH USA 44514

500mg Pain Balm

Batch ID or Lot Number: 013	Test: Potency	Reported: 11Feb2022	USDA License: N/A
Matrix: Unit	Test ID: T000191735	Started: 10Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 08Feb2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	5.484	16.951	ND	ND	# of Servings = 1, Sample Weight=28g
Cannabichromenic Acid (CBCA)	5.016	15.504	ND	ND	
Cannabidiol (CBD)	12.396	45.126	492.180	17.60	
Cannabidiolic Acid (CBDA)	12.714	46.284	ND	ND	
Cannabidivarin (CBDV)	2.932	10.673	4.990	0.20	
Cannabidivarinic Acid (CBDVA)	5.304	19.307	ND	ND	
Cannabigerol (CBG)	3.114	9.624	ND	ND	
Cannabigerolic Acid (CBGA)	13.016	40.232	ND	ND	
Cannabinol (CBN)	4.062	12.555	ND	ND	
Cannabinolic Acid (CBNA)	8.881	27.449	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	15.507	47.931	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	14.083	43.530	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	12.478	38.568	ND	ND	
Tetrahydrocannabivarin (THCV)	2.832	8.754	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	11.006	34.018	ND	ND	
Total Cannabinoids			497.170	17.76	
Total Potential THC**			ND	ND	
Total Potential CBD**			492.180	17.58	

Final Approval



Daniel Weidensaul
11Feb2022
01:28:00 PM MST

PREPARED BY / DATE



Ryan Weems
11Feb2022
01:30:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3de368c2-4f2b-4cc4-a1d3-f7ea1a988489>

Definitions

% = % (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)).

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. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

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Prepared for:

Sapphire Essentials LLC

 1975 E. Western Reserve Road. Suite B2
 Poland, OH USA 44514

500mg Pain Balm

Batch ID or Lot Number: 013	Test: Microbial Contaminants	Reported: 14Feb2022	USDA License: NA
Matrix: Finished Product	Test ID: T000191736	Started: 08Feb2022	Sampler ID: NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 08Feb2022	Status: NA

Microbial
Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	1.0 CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter None Detected None Detected
<i>Salmonella</i>	TM25: PCR	1.0 CFU/g	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


 Eden Thompson-Wright
 11Feb2022
 03:22:00 PM MST

PREPARED BY / DATE



 Brianne Maillot
 11Feb2022
 04:08:00 PM MST

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/714330c8-929e-4de7-965e-32731322f985>
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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 Cert #4329.02
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CBD PAIN BALM 500mg

Batch ID:	PB01	Test ID:	T000063262
Reported:	26-Feb-2020	Method:	TM04
Type:	Topical		
Test:	Residual Solvents		

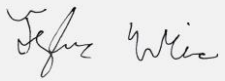
RESIDUAL SOLVENTS


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	76 - 1523	*ND
Butanes (Isobutane, n-Butane)	150 - 3006	*ND
Methanol	NA	NA
Pentane	83 - 1658	*ND
Ethanol	84 - 1682	*ND
Acetone	90 - 1797	*ND
Isopropyl Alcohol	92 - 1842	*ND
Hexane	5 - 109	*ND
Ethyl Acetate	92 - 1831	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	86 - 1717	*ND
Toluene	17 - 331	*ND
Xylenes (m,p,o-Xylenes)	120 - 2405	*ND

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

NOTES:
N/A

FINAL APPROVAL


 Tyler Wiese
 26-Feb-2020
 7:45 PM
 PREPARED BY / DATE


 Greg Zimpfer
 26-Feb-2020
 8:46 PM
 APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02


CBD PAIN BALM 500mg


Batch ID:	PB01	Test ID:	T000063265
Reported:	10-Mar-2020	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Unit		
Test:	Metals		

HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL


Sam Smith
10-Mar-2020
10:02 AM
PREPARED BY / DATE


Greg Zimpfer
10-Mar-2020
6:21 PM
APPROVED BY / DATE

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.