

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Salve
PRODUCT STRENGTH: 1000mg / jar
BATCH: 210791141
BEST BY DATE: 6/22/2024

Prepared for: Astraèa & Co.
 50 E. Ridgewood Ave. STE 303
 Ridgewood, NJ 07450

Physical Attributes


Test	Method	Specification	Results
Color	Internal	Light off white to yellow opaque, hint of green	PASS
Odor	Internal	Lavender, eucalyptus, hint of beeswax and coconut	PASS
Appearance	Internal	Firm, semi-waxy salve in container with screw lid	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and pressure seal is intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	LOQ**: ≥ 1000 mg / jar	1142mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: $<0.01\%$ THC (Broad Spectrum)	Below LOQ	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 ***CFU/25 gram	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS
Heavy Metals	ICP-MS	Arsenic (As): ≤ 1.5 ppm† Cadmium (Cd): ≤ 0.5 ppm Lead (Pb): ≤ 0.5 ppm Mercury (Hg): ≤ 1.5 ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 5 ppb Ochratoxin < 5 ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

*The organic status only applies to products with certified labels
 **Level of Quantification
 ***Colony Forming Units per Gram
 † Parts Per Million †† Part Per Billion

Values expressed in scientific notation.
 Examples:
 $10^2=100$
 $10^3=1,000$

Quality Certified  8/15/22

 Name Date

OS2OZ1000

Batch ID or Lot Number: 210791141	Test: Potency	Reported: 29Jul2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000215549	Started: 28Jul2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 27Jul2022	Status: Active

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.008	0.021	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.019	ND	ND	
Cannabidiol (CBD)	0.022	0.053	2.041	20.41	
Cannabidiolic Acid (CBDA)	0.022	0.054	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	<LOQ	0.10	
Cannabidivarinic Acid (CBDVA)	0.009	0.023	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.138	1.38	
Cannabigerolic Acid (CBGA)	0.018	0.049	ND	ND	
Cannabinol (CBN)	0.006	0.015	ND	ND	
Cannabinolic Acid (CBNA)	0.012	0.034	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.022	0.059	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.020	0.053	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.017	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.015	0.042	ND	ND	
Total Cannabinoids			2.189	21.89	
Total Potential THC			ND	ND	
Total Potential CBD			2.041	20.41	

Final Approval



Jacob Miller
 29Jul2022
 01:11:00 PM MDT

PREPARED BY / DATE



Sam Smith
 29Jul2022
 01:19:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/11024702-0b92-43de-9793-606e5e940cb4>

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 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified
 110247020b9243de9793606e5e940cb4.1

OS2OZ1000

Batch ID or Lot Number: 210791141	Test: Mycotoxins	Reported: 01Aug2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000215553	Started: 29Jul2022	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 27Jul2022	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.59 - 132.86	ND	N/A
Aflatoxin B1	1.05 - 33.94	ND	
Aflatoxin B2	0.99 - 34.10	ND	
Aflatoxin G1	1.09 - 34.17	ND	
Aflatoxin G2	1.09 - 33.97	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Colin Hendrickson
 01Aug2022
 05:38:00 PM MDT

PREPARED BY / DATE



Jacob Miller
 01Aug2022
 05:39:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/da156ec8-ae27-4ec0-9bf2-e92455f315b5>

Definitions

ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified
 da156ec8ae274ec09bf2e92455f315b5.1

OS2OZ1000

Batch ID or Lot Number: 210791141	Test: Pesticides	Reported: 02Aug2022	USDA License: NA
Matrix: Concentrate	Test ID: T000215550	Started: 01Aug2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 27Jul2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	405 - 2605	ND	Malathion	285 - 2791	ND
Acephate	41 - 2850	ND	Metalaxyl	45 - 2748	ND
Acetamiprid	41 - 2791	ND	Methiocarb	44 - 2766	ND
Azoxystrobin	44 - 2745	ND	Methomyl	41 - 2804	ND
Bifenazate	44 - 2726	ND	MGK 264 1	154 - 1655	ND
Boscalid	44 - 2740	ND	MGK 264 2	100 - 1154	ND
Carbaryl	40 - 2756	ND	Myclobutanil	186 - 2673	ND
Carbofuran	41 - 2719	ND	Naled	45 - 2734	ND
Chlorantraniliprole	42 - 2738	ND	Oxamyl	44 - 2808	ND
Chlorpyrifos	60 - 2712	ND	Paclobotrazol	42 - 2719	ND
Clofentezine	278 - 2749	ND	Permethrin	276 - 2727	ND
Diazinon	280 - 2766	ND	Phosmet	45 - 2697	ND
Dichlorvos	276 - 2797	ND	Prophos	289 - 2768	ND
Dimethoate	43 - 2785	ND	Propoxur	44 - 2728	ND
E-Fenpyroximate	296 - 2704	ND	Pyridaben	314 - 2657	ND
Etofenprox	41 - 2682	ND	Spinosad A	38 - 2262	ND
Etoxazole	318 - 2693	ND	Spinosad D	53 - 491	ND
Fenoxycarb	43 - 2718	ND	Spiromesifen	333 - 2720	ND
Fipronil	11 - 2739	ND	Spirotetramat	271 - 2754	ND
Flonicamid	48 - 2818	ND	Spiroxamine 1	19 - 1164	ND
Fludioxonil	317 - 2775	ND	Spiroxamine 2	25 - 1549	ND
Hexythiazox	40 - 2730	ND	Tebuconazole	287 - 2753	ND
Imazalil	281 - 2748	ND	Thiacloprid	42 - 2774	ND
Imidacloprid	46 - 2799	ND	Thiamethoxam	44 - 2818	ND
Kresoxim-methyl	44 - 2776	ND	Trifloxystrobin	44 - 2741	ND

Final Approval



Daniel Weidensaul
02Aug2022
04:24:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
02Aug2022
04:26:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/df3cd603-9e28-4179-bbc1-daf6dfcd7b09>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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Cert #4329.02
df3cd6039e284179bbc1daf6dfcd7b09.1

OS2OZ1000

Batch ID or Lot Number: 210791141	Test: Residual Solvents	Reported: 29Jul2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000215552	Started: 28Jul2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 27Jul2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1530	ND	
Butanes (Isobutane, n-Butane)	158 - 3151	ND	
Methanol	56 - 1111	ND	
Pentane	85 - 1705	ND	
Ethanol	86 - 1713	ND	
Acetone	92 - 1841	ND	
Isopropyl Alcohol	90 - 1807	ND	
Hexane	5 - 107	ND	
Ethyl Acetate	85 - 1702	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	90 - 1803	ND	
Toluene	16 - 326	ND	
Xylenes (m,p,o-Xylenes)	121 - 2424	ND	

Final Approval



Jacob Miller
 29Jul2022
 12:34:00 PM MDT

PREPARED BY / DATE



Sam Smith
 29Jul2022
 12:36:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/02e3f0af-40c1-43c9-b2ba-a85bea388883>

Definitions
 ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified
 02e3f0af40c143c9b2baa85bea388883.1

OS2OZ1000

Batch ID or Lot Number: 210791141	Test: Heavy Metals	Reported: 01Aug2022	USDA License: NA
Matrix: Unit Co	Test ID: T000215551	Started: 29Jul2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 27Jul2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.24	ND	
Cadmium	0.04 - 4.41	ND	
Mercury	0.04 - 4.33	ND	
Lead	0.04 - 4.41	ND	

Final Approval



Colin Hendrickson
 02Aug2022
 08:24:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
 02Aug2022
 08:28:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3bdfafa2-43b8-4054-93e5-25c1a95f1051>

Definitions

ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified
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