

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Sports Cream
PRODUCT STRENGTH: 1000mg / bottle
BATCH: 23094-23
BEST BY DATE: 4/13/2025

Physical Attributes

Test	Method	Specification	Results
Color	Internal	White to off white	PASS
Odor	Internal	Blend of Menthol, Camphor, Eucalyptus, Lavender, Rosemary, Wintergreen & Marjoram.	PASS
Appearance	Internal	Creamy smooth cream consistency with medium viscosity	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Lid 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*: $\geq 1000\text{mg} / \text{bottle}$	1200mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: $<0.01\% \text{ THC (Broad Spectrum)}$	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	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): $\leq 1.5 \text{ ppm}\dagger$ Cadmium (Cd): $\leq 0.5 \text{ ppm}$ Lead (Pb): $\leq 0.5 \text{ ppm}$ Mercury (Hg): $\leq 1.5 \text{ ppm}$	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins $<20 \text{ ppb}\dagger\dagger$ Aflatoxin B1 $< 5 \text{ ppb}$ Ochratoxin $< 5 \text{ ppb}$	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

*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



 Name

4/26/2023

Date


1000mg CBD Sports Cream


Batch ID or Lot Number: 23094-23	Test: Potency	Reported: 19Apr2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000241480	Started: 19Apr2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 17Apr2023	Status: Active

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.014	ND	ND	
Cannabichromenic Acid (CBCA)	0.005	0.013	ND	ND	
Cannabidiol (CBD)	0.014	0.035	1.059	10.59	
Cannabidiolic Acid (CBDA)	0.014	0.036	ND	ND	
Cannabidivarin (CBDV)	0.003	0.008	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.006	0.015	ND	ND	
Cannabigerol (CBG)	0.003	0.008	ND	ND	
Cannabigerolic Acid (CBGA)	0.013	0.033	ND	ND	
Cannabinol (CBN)	0.004	0.010	ND	ND	
Cannabinolic Acid (CBNA)	0.009	0.022	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.016	0.039	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.014	0.035	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.013	0.031	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.007	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.028	ND	ND	
Total Cannabinoids			1.059	10.59	
Total Potential THC			ND	ND	
Total Potential CBD			1.059	10.59	

Final Approval


 Sam Smith
 19Apr2023
 01:04:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 19Apr2023
 01:12:00 PM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/68795156-7c14-446a-bb05-75af7276a0df>

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 SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified
 687951567c14446abb0575af7276a0df.1

1000mg CBD Sports Cream

Batch ID or Lot Number: 23094-23	Test: Pesticides	Reported: 21Apr2023	USDA License: NA
Matrix: Concentrate	Test ID: T000241481	Started: 20Apr2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 17Apr2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	288 - 2828	ND	Malathion	302 - 2695	ND
Acephate	40 - 2763	ND	Metalaxyl	43 - 2697	ND
Acetamiprid	40 - 2708	ND	Methiocarb	41 - 2721	ND
Azoxystrobin	44 - 2714	ND	Methomyl	43 - 2742	ND
Bifenazate	40 - 2688	ND	MGK 264 1	164 - 1656	ND
Boscalid	43 - 2728	ND	MGK 264 2	113 - 1058	ND
Carbaryl	40 - 2699	ND	Myclobutanil	42 - 2719	ND
Carbofuran	41 - 2690	ND	Naled	42 - 2712	ND
Chlorantraniliprole	45 - 2732	ND	Oxamyl	41 - 2731	ND
Chlorpyrifos	41 - 2801	ND	Pacllobutrazol	45 - 2694	ND
Clofentezine	285 - 2727	ND	Permethrin	312 - 2754	ND
Diazinon	283 - 2736	ND	Phosmet	41 - 2681	ND
Dichlorvos	287 - 2753	ND	Prophos	283 - 2712	ND
Dimethoate	41 - 2706	ND	Propoxur	42 - 2698	ND
E-Fenpyroximate	295 - 2776	ND	Pyridaben	295 - 2746	ND
Etofenprox	41 - 2738	ND	Spinosad A	31 - 2088	ND
Etoxazole	299 - 2739	ND	Spinosad D	69 - 670	ND
Fenoxycarb	41 - 2738	ND	Spiromesifen	280 - 2738	ND
Fipronil	56 - 2725	ND	Spirotetramat	297 - 2732	ND
Flonicamid	42 - 2775	ND	Spiroxamine 1	19 - 1212	ND
Fludioxonil	302 - 2665	ND	Spiroxamine 2	23 - 1520	ND
Hexythiazox	42 - 2732	ND	Tebuconazole	276 - 2721	ND
Imazalil	294 - 2706	ND	Thiacloprid	40 - 2710	ND
Imidacloprid	43 - 2758	ND	Thiamethoxam	41 - 2759	ND
Kresoxim-methyl	42 - 2745	ND	Trifloxystrobin	43 - 2703	ND

Final Approval



Karen Winternheimer
21Apr2023
09:52:00 AM MDT

PREPARED BY / DATE



Sam Smith
21Apr2023
09:54:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/716dfcfc-743d-4ed6-9a5d-5fe07c8c69e1>

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
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1000mg CBD Sports Cream

Batch ID or Lot Number: 23094-23	Test: Residual Solvents	Reported: 19Apr2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000241484	Started: 19Apr2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 17Apr2023	Status: Active


Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	103 - 2056	ND	
Butanes (Isobutane, n-Butane)	212 - 4237	ND	
Methanol	65 - 1301	ND	
Pentane	105 - 2106	ND	
Ethanol	105 - 2093	ND	
Acetone	102 - 2045	ND	
Isopropyl Alcohol	106 - 2128	188	
Hexane	6 - 124	ND	
Ethyl Acetate	104 - 2073	ND	
Benzene	0.2 - 4.1	0.3	
Heptanes	102 - 2045	ND	
Toluene	18 - 354	ND	
Xylenes (m,p,o-Xylenes)	131 - 2629	ND	

Final Approval



Karen Winternheimer
19Apr2023
02:17:00 PM MDT

PREPARED BY / DATE



Sam Smith
19Apr2023
02:19:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/20272645-0276-4427-9d80-95ff4f24fe33>

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


20272645027644279d8095ff4f24fe33.1


1000mg CBD Sports Cream

Batch ID or Lot Number: 23094-23	Test: Heavy Metals	Reported: 18Apr2023	USDA License: NA
Matrix: Unit Co	Test ID: T000241483	Started: 17Apr2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 17Apr2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.12	ND	
Cadmium	0.04 - 4.20	ND	
Mercury	0.04 - 4.24	ND	
Lead	0.04 - 4.10	ND	

Final Approval


 Sam Smith
 18Apr2023
 02:55:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 18Apr2023
 03:00:00 PM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fb3bf41d-9d62-46f1-a374-8b67374f88d3>

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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1000mg CBD Sports Cream

Batch ID or Lot Number: 23094-23	Test: Mycotoxins	Reported: 20Apr2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000241485	Started: 19Apr2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 17Apr2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.34 - 126.85	ND	N/A
Aflatoxin B1	0.92 - 32.09	ND	
Aflatoxin B2	0.95 - 31.84	ND	
Aflatoxin G1	0.95 - 32.12	ND	
Aflatoxin G2	0.98 - 32.42	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


 Sam Smith
 20Apr2023
 11:43:00 AM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 20Apr2023
 11:45:00 AM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uiid/bc87625f-579e-4254-87ec-027d9497aa8a>

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
bc87625f579e425487ec027d9497aa8a.1

1000mg CBD Sports Cream

Batch ID or Lot Number: 23094-23	Test: Microbial Contaminants	Reported: 20Apr2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000241482	Started: 17Apr2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 17Apr2023	Status: Active

Microbial Contaminants

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



Brianne Maillot
20Apr2023
12:25:00 PM MDT

PREPARED BY / DATE



Eden Thompson-Wright
20Apr2023
04:44:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/5f498f73-056d-4edb-a466-465877daefbe>

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

CDPHE Certified

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