

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Sports Cream
PRODUCT STRENGTH: 1000mg / bottle
BATCH: 23024-02
BEST BY DATE: 1/30/2025
HEMP EXTRACT LOT: KWJOSLM 23024-02

Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	White to off white	PASS
Odor	Joy Internal	Blend of Menthol, Camphor, Eucalyptus, Lavender, Rosemary, Wintergreen & Marjoram.	PASS
Appearance	Joy Internal	Creamy smooth cream consistency with medium viscosity	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Lid intact.	PASS
Secondary Package Eval.	Joy 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*: ≥ 1000mg / bottle	1143mg	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	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†† Aflatoxin B1 < 5 ppb Ochratoxin < 5ppb	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:
10²=100
10³=1,000

Quality Certified


Name

2/21/2023

Date

Menthol CBD Cream 1000mg


Batch ID or Lot Number: 23024-02	Test, Test ID and Methods: Various	Matrix: Topical	Page 3 of 6
Reported: 14Feb2023	Started: 13Feb2023	Received: 13Feb2023	

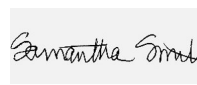
Cannabinoids - Colorado Compliance

Test ID: T000235257
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.022	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.019	0.058	1.021	10.21	
Cannabidiolic Acid (CBDA)	0.020	0.059	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.025	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.067	0.67	
Cannabigerolic Acid (CBGA)	0.016	0.052	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.035	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.019	0.062	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.017	0.056	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.015	0.050	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.044	ND	ND	
Total Cannabinoids			1.088	10.88	
Total Potential THC			ND	ND	
Total Potential CBD			1.021	10.21	

Final Approval


 Karen Winternheimer
 16Feb2023
 03:13:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 16Feb2023
 03:19:00 PM MST
 APPROVED BY / DATE

Menthol CBD Cream 1000mg

Batch ID or Lot Number: 23024-02	Test, Test ID and Methods: Various	Matrix: Topical	Page 1 of 6
Reported: 14Feb2023	Started: 13Feb2023	Received: 13Feb2023	


**Residual Solvents -
Colorado Compliance**

Test ID: T000235261


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1666	ND	
Butanes (Isobutane, n-Butane)	171 - 3427	ND	
Methanol	54 - 1089	ND	
Pentane	84 - 1687	ND	
Ethanol	93 - 1851	996	
Acetone	85 - 1704	ND	
Isopropyl Alcohol	94 - 1874	ND	
Hexane	5 - 104	ND	
Ethyl Acetate	92 - 1839	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	94 - 1885	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	136 - 2725	ND	

Final Approval


Sam Smith
15Feb2023
06:29:00 PM MST

PREPARED BY / DATE


Karen Winternheimer
15Feb2023
06:29:00 PM MST

APPROVED BY / DATE

Menthol CBD Cream 1000mg

Batch ID or Lot Number: 23024-02	Test, Test ID and Methods: Various	Matrix: Topical	Page 2 of 6
Reported: 14Feb2023	Started: 13Feb2023	Received: 13Feb2023	

**Microbial
Contaminants -
Colorado Compliance**


Test ID: T000235259
Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	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
16Feb2023
02:36:00 PM MST

PREPARED BY / DATE


Eden Thompson-Wright
17Feb2023
05:08:00 PM MST

APPROVED BY / DATE

Menthol CBD Cream 1000mg


Batch ID or Lot Number: 23024-02	Test, Test ID and Methods: Various	Matrix: Topical	Page 4 of 6
Reported: 14Feb2023	Started: 13Feb2023	Received: 13Feb2023	


Mycotoxins - Colorado Compliance

Test ID: T000235262
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.08 - 134.81	ND	N/A
Aflatoxin B1	0.58 - 33.04	ND	
Aflatoxin B2	0.61 - 33.00	ND	
Aflatoxin G1	0.58 - 33.45	ND	
Aflatoxin G2	0.64 - 33.58	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


PREPARED BY / DATE
Sam Smith
17Feb2023
06:47:00 AM MST



APPROVED BY / DATE
Karen Winternheimer
17Feb2023
06:51:00 AM MST


Heavy Metals - Colorado Compliance

Test ID: T000235260
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.89	ND	
Cadmium	0.05 - 4.74	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.04 - 3.87	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
17Feb2023
01:27:00 PM MST


APPROVED BY / DATE
Karen Winternheimer
17Feb2023
01:32:00 PM MST

Menthol CBD Cream 1000mg

Batch ID or Lot Number: 23024-02	Test, Test ID and Methods: Various	Matrix: Topical	Page 5 of 6
Reported: 14Feb2023	Started: 13Feb2023	Received: 13Feb2023	


Pesticides


Test ID: T000235258

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	297 - 2792	ND	Malathion	302 - 2702	ND
Acephate	41 - 2796	ND	Metalaxyl	41 - 2735	ND
Acetamiprid	44 - 2777	ND	Methiocarb	42 - 2747	ND
Azoxystrobin	45 - 2726	ND	Methomyl	40 - 2767	ND
Bifenazate	41 - 2722	ND	MGK 264 1	169 - 1608	ND
Boscalid	41 - 2792	ND	MGK 264 2	110 - 1130	ND
Carbaryl	41 - 2718	ND	Myclobutanil	40 - 2752	ND
Carbofuran	45 - 2698	ND	Naled	44 - 2720	ND
Chlorantraniliprole	41 - 2742	ND	Oxamyl	43 - 2765	ND
Chlorpyrifos	38 - 2737	ND	Paclobutrazol	44 - 2698	ND
Clofentezine	273 - 2731	ND	Permethrin	288 - 2744	ND
Diazinon	291 - 2730	ND	Phosmet	42 - 2720	ND
Dichlorvos	263 - 2800	ND	Prophos	295 - 2742	ND
Dimethoate	41 - 2748	ND	Propoxur	44 - 2713	ND
E-Fenpyroximate	294 - 2737	ND	Pyridaben	310 - 2696	ND
Etofenprox	44 - 2698	ND	Spinosad A	35 - 2226	ND
Etoazole	309 - 2713	ND	Spinosad D	52 - 493	ND
Fenoxycarb	45 - 2730	ND	Spiromesifen	285 - 2749	ND
Fipronil	42 - 2729	ND	Spirotetramat	289 - 2741	ND
Flonicamid	50 - 2770	ND	Spiroxamine 1	18 - 1159	ND
Fludioxonil	307 - 2813	ND	Spiroxamine 2	4 - 1599	ND
Hexythiazox	42 - 2732	ND	Tebuconazole	289 - 2696	ND
Imazalil	291 - 2750	ND	Thiacloprid	43 - 2750	ND
Imidacloprid	43 - 2771	ND	Thiamethoxam	41 - 2792	ND
Kresoxim-methyl	40 - 2749	ND	Trifloxystrobin	46 - 2706	ND

Final Approval

 Karen Winternheimer
17Feb2023
01:56:00 PM MST
PREPARED BY / DATE

 Sam Smith
17Feb2023
01:59:00 PM MST
APPROVED BY / DATE