

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic CBD Salve
PRODUCT STRENGTH: 1000mg / jar
BATCH: 230221A
BEST BY DATE: 2/21/2025

Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Light off white to yellow opaque, hint of green	PASS
Odor	Joy Internal	Lavender, eucalyptus, hint of beeswax and coconut	PASS
Appearance	Joy Internal	Firm, semi-waxy salve in container with screw lid	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and pressure seal is 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**: ≥ 1000 mg / jar	1042mg	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†† 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

*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  3/3/2023
 Name Date

1000mg CBD Salve


Batch ID or Lot Number: 230221A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: 27Feb2023	Started: 22Feb2023	Received: 22Feb2023	

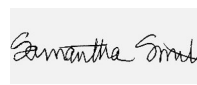
Cannabinoids - Colorado Compliance

Test ID: T000236540
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.020	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabidiol (CBD)	0.018	0.054	1.861	18.61	
Cannabidiolic Acid (CBDA)	0.018	0.055	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.023	ND	ND	
Cannabigerol (CBG)	0.004	0.011	0.120	1.20	
Cannabigerolic Acid (CBGA)	0.015	0.046	ND	ND	
Cannabinol (CBN)	0.005	0.014	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.032	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.018	0.055	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.050	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.044	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.039	ND	ND	
Total Cannabinoids			1.981	19.81	
Total Potential THC			ND	ND	
Total Potential CBD			1.861	18.61	

Final Approval


 Karen Winternheimer
 28Feb2023
 05:26:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 28Feb2023
 05:28:00 PM MST
 APPROVED BY / DATE

1000mg CBD Salve


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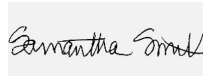
**Heavy Metals -
Colorado Compliance**

Test ID: T000236543
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.58	ND	Amendment to T000236543 issued on 24Feb2023 to correct the sample name.
Cadmium	0.05 - 4.63	ND	
Mercury	0.04 - 4.25	ND	
Lead	0.05 - 5.18	ND	

Final Approval


Karen Winternheimer
27Feb2023
11:07:00 AM MST
PREPARED BY / DATE



Sam Smith
27Feb2023
12:33:00 PM MST
APPROVED BY / DATE

**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000236542
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
Salmonella	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


Brett Hudson
27Feb2023
10:16:00 AM MST
PREPARED BY / DATE


Eden Thompson-Wright
27Feb2023
04:32:00 PM MST
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**Residual Solvents -
Colorado Compliance**

Test ID: T000236544
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	95 - 1897	ND	Amendment to T000236544 issued on 23Feb2023 to correct the sample name.
Butanes (Isobutane, n-Butane)	196 - 3925	ND	
Methanol	58 - 1151	ND	
Pentane	98 - 1966	ND	
Ethanol	97 - 1932	ND	
Acetone	96 - 1919	ND	
Isopropyl Alcohol	101 - 2011	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	97 - 1937	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	96 - 1922	ND	
Toluene	17 - 338	ND	
Xylenes (m,p,o-Xylenes)	125 - 2510	ND	

Final Approval


 Karen Winternheimer
 27Feb2023
 11:39:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 27Feb2023
 01:36:00 PM MST
 APPROVED BY / DATE

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Pesticides


Test ID: T000236541

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	324 - 2773	ND		Malathion	281 - 2698	ND
Acephate	43 - 2752	ND		Metalaxyl	43 - 2701	ND
Acetamiprid	41 - 2704	ND		Methiocarb	41 - 2737	ND
Azoxystrobin	44 - 2701	ND		Methomyl	40 - 2714	ND
Bifenazate	40 - 2705	ND		MGK 264 1	165 - 1598	ND
Boscalid	38 - 2737	ND		MGK 264 2	115 - 1120	ND
Carbaryl	38 - 2718	ND		Myclobutanil	47 - 2715	ND
Carbofuran	42 - 2692	ND		Naled	44 - 2707	ND
Chlorantraniliprole	42 - 2746	ND		Oxamyl	41 - 2726	ND
Chlorpyrifos	47 - 2711	ND		Paclobutrazol	42 - 2699	ND
Clofentezine	266 - 2736	ND		Permethrin	308 - 2683	ND
Diazinon	290 - 2714	ND		Phosmet	40 - 2707	ND
Dichlorvos	279 - 2716	ND		Prophos	283 - 2743	ND
Dimethoate	41 - 2688	ND		Propoxur	41 - 2692	ND
E-Fenpyroximate	298 - 2729	ND		Pyridaben	315 - 2709	ND
Etofenprox	38 - 2714	ND		Spinosad A	32 - 2216	ND
Etoxazole	308 - 2695	ND		Spinosad D	50 - 489	ND
Fenoxycarb	42 - 2730	ND		Spiromesifen	288 - 2726	ND
Fipronil	55 - 2633	ND		Spirotetramat	296 - 2731	ND
Flonicamid	48 - 2766	ND		Spiroxamine 1	17 - 1160	ND
Fludioxonil	318 - 2730	ND		Spiroxamine 2	21 - 1551	ND
Hexythiazox	41 - 2719	ND		Tebuconazole	300 - 2703	ND
Imazalil	287 - 2706	ND		Thiacloprid	41 - 2706	ND
Imidacloprid	42 - 2706	ND		Thiamethoxam	40 - 2736	ND
Kresoxim-methyl	38 - 2772	ND		Trifloxystrobin	44 - 2703	ND

Final Approval


 Karen Winternheimer
 27Feb2023
 11:33:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 27Feb2023
 01:28:00 PM MST
 APPROVED BY / DATE

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Mycotoxins - Colorado Compliance

Test ID: T000236545
Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.99 - 136.01	ND	N/A
Aflatoxin B1	0.86 - 33.72	ND	
Aflatoxin B2	0.89 - 33.72	ND	
Aflatoxin G1	0.89 - 33.47	ND	
Aflatoxin G2	1.05 - 33.95	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


 Sam Smith
 02Mar2023
 09:32:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 02Mar2023
 09:36:00 AM MST
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7f9181a8-1fd7-4cd7-9013-e3cd036caf46>

Definitions
 LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details.](#)



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