

Organic CBD Tincture - Mint **PRODUCT NAME:**

PRODUCT STRENGTH: TINCTURE BATCH:

2250mg 230307A

BEST BY DATE:

3/7/2025

HEMP EXTRACT LOT:

592

Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	Characteristic - Olive and Hemp, Minty	PASS
Appearance	Joy Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and shrink bands 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	$LOQ^*: \ge product \ strength \ mg \ / \\ bottle$	2466mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (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 < 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: 10^2=100 10^3=1,000

3/29/2023

Date

Quality Certified



2250mg BS Mint Tincture

Batch ID or Lot Number: 230307A	Test: Potency	Reported: 01Mar2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000236826	27Feb2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	27Feb2023	Active

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.007	0.023	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabichromenic Acid (CBCA)	0.007	0.021	ND	ND
Cannabidiol (CBD)	0.022	0.062	8.300	83.00
Cannabidiolic Acid (CBDA)	0.023	0.063	ND	ND
Cannabidivarin (CBDV)	0.005	0.015	0.041	0.41
Cannabidivarinic Acid (CBDVA)	0.009	0.026	ND	ND
Cannabigerol (CBG)	0.004	0.013	0.571	5.71
Cannabigerolic Acid (CBGA)	0.017	0.054	ND	ND
Cannabinol (CBN)	0.005	0.017	ND	ND
Cannabinolic Acid (CBNA)	0.012	0.037	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.065	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.019	0.059	ND	ND
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.052	ND	ND
Tetrahydrocannabivarin (THCV)	0.004	0.012	0.019	0.19
Tetrahydrocannabivarinic Acid (THCVA)	0.015	0.046	ND	ND
Total Cannabinoids			8.931	89.31
Total Potential THC			ND	ND
Total Potential CBD			8.300	83.00

Final Approval



Karen Winternheimer 01Mar2023 08:25:00 AM MST

Samantha Smill

Sam Smith 01Mar2023 08:27:00 AM MST



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/29fc63f9-d1af-4859-b172-2db9785f1c51

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





2250mg BS Mint Tincture

Batch ID or Lot Number: 230307A	Test: Microbial Contaminants	Reported: 13Mar2023	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Finished Product	T000237941	02Mar2023	N/A	
	Method(s):	Received:	Status:	
	TM25 (qPCR) TM24, TM26, TM27	09Mar2023	Active	
	(Culture Plating): Microbial (Colorac	lo		
	Panel)			

Microbial			Quantitation		
Contaminants	Method	LOD	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	— Toreign matter
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

Eden Thompson-Wright 13Mar2023 03:55:00 PM MDT

West Carlotte

Brett Hudson 14Mar2023 06:04:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/d9841f3d-e8cb-4a0a-8631-fcb7a9449501

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

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 d9841f3de8cb4a0a8631fcb7a9449501.1





2250mg BS Mint Tincture

Batch ID or Lot Number: 230307A	Test:	Reported:	USDA License:
	Heavy Metals	06Jan2023	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate Co	T000231987	05Jan2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	03Jan2023	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes	
Arsenic	0.04 - 4.33	ND		
Cadmium	0.05 - 4.61	ND		
Mercury	0.05 - 4.65	ND		
Lead	0.05 - 4.56	ND		

Final Approval

PREPARED BY / DATE

Somantha Smull

Sam Smith 06Jan2023 08:57:00 AM MST

APPROVED BY / DATE

Karen Winternheimer 06Jan2023 08:59:00 AM MST



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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 8f3e34f667da423d93ee90fbfc62cdd5.1



2250mg BS Mint Tincture

Batch ID or Lot Number:230307A	Test:	Reported:	USDA License:
	Residual Solvents	09Jan2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000231988	09Jan2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	03Jan2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1811	ND	
Butanes (Isobutane, n-Butane)	181 - 3620	ND	
Methanol	57 - 1142	ND	
Pentane	93 - 1858	ND	
Ethanol	91 - 1821	ND	
Acetone	91 - 1821	ND	
Isopropyl Alcohol	93 - 1862	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	93 - 1856	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	98 - 1951	ND	
Toluene	17 - 331	ND	
Xylenes (m,p,o-Xylenes)	119 - 2386	ND	

Final Approval



Sam Smith 09Jan2023 01:23:00 PM MST



Karen Winternheimer 09Jan2023 01:24:00 PM MST



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Definitions

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Cert #4329.02

CDPHE Certified 94c6b1faab2f4f9895e32155dd1d9d52.1



2250mg BS Mint Tincture

Batch ID or Lot Number:230307A	Test: Mycotoxins	Reported: 11Jan2023	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000231989	10Jan2023	N/A	
	Method(s):	Received:	Status:	
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	03Jan2023	Active	

4.79 - 131.77 1.06 - 34.16	ND ND	N/A
1.06 - 34.16	ND	
1.16 - 34.36	ND	
1.23 - 33.62	ND	
1.26 - 33.46	ND	
d G2)	ND	
b	1.26 - 33.46	1.26 - 33.46 ND

Final Approval

Sawantha Smoll

Sam Smith 11Jan2023 07:46:00 AM MST L Wintenheumen

Karen Winternheimer 11Jan2023 07:48:00 AM MST



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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified f979855f6a864d94935f9a4647452e9a.1



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Batch ID or Lot Number:\$%%)3	Test: Pesticides	Reported: 09Jan2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000231985	06Jan2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	03Jan2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	302 - 2650	ND
Acephate	49 - 2757	ND
Acetamiprid	48 - 2729	ND
Azoxystrobin	44 - 2734	ND
Bifenazate	44 - 2723	ND
Boscalid	50 - 2802	ND
Carbaryl	44 - 2723	ND
Carbofuran	45 - 2737	ND
Chlorantraniliprole	44 - 2807	ND
Chlorpyrifos	52 - 2797	ND
Clofentezine	268 - 2743	ND
Diazinon	275 - 2746	ND
Dichlorvos	289 - 2756	ND
Dimethoate	46 - 2716	ND
E-Fenpyroximate	283 - 2727	ND
Etofenprox	46 - 2715	ND
Etoxazole	296 - 2717	ND
Fenoxycarb	46 - 2751	ND
Fipronil	64 - 2672	ND
Flonicamid	56 - 2727	ND
Fludioxonil	276 - 2738	ND
Hexythiazox	44 - 2742	ND
Imazalil	264 - 2779	ND
Imidacloprid	51 - 2742	ND
Kresoxim-methyl	41 - 2755	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	284 - 2755	ND
Metalaxyl	46 - 2772	ND
Methiocarb	47 - 2798	ND
Methomyl	50 - 2748	ND
MGK 264 1	156 - 1626	ND
MGK 264 2	111 - 1135	ND
Myclobutanil	44 - 2793	ND
Naled	53 - 2755	ND
Oxamyl	46 - 2717	ND
Paclobutrazol	44 - 2723	ND
Permethrin	301 - 2742	ND
Phosmet	43 - 2760	ND
Prophos	273 - 2796	ND
Propoxur	43 - 2733	ND
Pyridaben	295 - 2732	ND
Spinosad A	35 - 2225	ND
Spinosad D	47 - 495	ND
Spiromesifen	280 - 2759	ND
Spirotetramat	273 - 2764	ND
Spiroxamine 1	20 - 1222	ND
Spiroxamine 2	26 - 1551	ND
Tebuconazole	280 - 2721	ND
Thiacloprid	46 - 2721	ND
Thiamethoxam	50 - 2750	ND
Trifloxystrobin	44 - 2744	ND

Final Approval



Sam Smith 09Jan2023 12:08:00 PM MST L Winternheimer APPROVED BY / DATE Karen Winternheimer 09Jan2023 12:12:00 PM MST



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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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