CERTIFICATE OF ANALYSIS

PRODUCT NAME: PRODUCT STRENGTH: TINCTURE BATCH: **BEST BY DATE: HEMP EXTRACT LOT:**

Organic Delta 9 THC Tincture (Citrus) 900mg CBD + 75mg THC per bottle 241111G 11/11/2024 606

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Coconut and Hemp - Citrus	PASS
Appearance	Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands 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	*NLT (product strength) mg / bottle	1198mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	77mg	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Below LOQ	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Below LOQ	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 Panel	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	ND	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	ND	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	ND	PASS

**Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram *Nothing Less Than 10°2=100 CFU 10°3=1,000 CFU

Quality Certified

Name

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12/5/2024

Date



Batch ID or Lot Number:241111G	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5	
Reported: 28Mar2023	Started: 27Mar2023	Received: 24Mar2023		

Cannabinoids - Colorado

Compliance

Test ID: T000239188 Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.007	0.020	0.028	0.28
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND
Cannabidiol (CBD)	0.020	0.054	4.032	40.32
Cannabidiolic Acid (CBDA)	0.020	0.056	ND	ND
Cannabidivarin (CBDV)	0.005	0.013	0.018	0.18
Cannabidivarinic Acid (CBDVA)	0.009	0.023	ND	ND
Cannabigerol (CBG)	0.004	0.012	0.041	0.41
Cannabigerolic Acid (CBGA)	0.017	0.049	ND	ND
Cannabinol (CBN)	0.005	0.015	0.026	0.26
Cannabinolic Acid (CBNA)	0.011	0.033	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.058	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.053	0.262	2.62
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.047	ND	ND
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.041	ND	ND
Total Cannabinoids			4.407	44.07
Total Potential THC			0.262	2.62
Total Potential CBD			4.032	40.32

Final Approval

Sam Smith Somenthe Smill 28Mar2023 08:52:00 AM MDT PREPARED BY / DATE

APPROVED BY / DATE

Karen Winternheimer 28Mar2023 natenheumen 08:56:00 AM MDT



Batch ID or Lot Number:241111G	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 5
Reported:	Started:	Received:	
28Mar2023	27Mar2023	24Mar2023	

Pesticides

Test ID: T000239189 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb
Abamectin	374 - 2672	ND	Malathion	279 - 2740	ND
Acephate	18 - 2844	ND	Metalaxyl	44 - 2755	ND
Acetamiprid	40 - 2758	ND	Methiocarb	40 - 2669	ND
Azoxystrobin	45 - 2727	ND	Methomyl	42 - 2802	ND
Bifenazate	41 - 2784	ND	MGK 264 1	175 - 1559	ND
Boscalid	66 - 2638	ND	MGK 264 2	119 - 1122	ND
Carbaryl	43 - 2727	ND	Myclobutanil	47 - 2696	ND
Carbofuran	42 - 2705	ND	Naled	50 - 2695	ND
Chlorantraniliprole	42 - 2649	ND	Oxamyl	44 - 2792	ND
Chlorpyrifos	55 - 2672	ND	Paclobutrazol	49 - 2706	ND
Clofentezine	293 - 2709	ND	Permethrin	261 - 2620	ND
Diazinon	289 - 2767	ND	Phosmet	40 - 2745	ND
Dichlorvos	274 - 2725	ND	Prophos	296 - 2692	ND
Dimethoate	40 - 2753	ND	Propoxur	40 - 2711	ND
E-Fenpyroximate	287 - 2726	ND	Pyridaben	311 - 2711	ND
Etofenprox	48 - 2703	ND	Spinosad A	34 - 2208	ND
Etoxazole	306 - 2700	ND	Spinosad D	54 - 492	ND
Fenoxycarb	43 - 2757	ND	Spiromesifen	284 - 2702	ND
Fipronil	39 - 2784	ND	Spirotetramat	276 - 2790	ND
Flonicamid	42 - 2787	ND	Spiroxamine 1	19 - 1142	ND
Fludioxonil	333 - 2624	ND	Spiroxamine 2	24 - 1509	ND
Hexythiazox	45 - 2742	ND	Tebuconazole	274 - 2734	ND
Imazalil	289 - 2748	ND	Thiacloprid	43 - 2751	ND
Imidacloprid	40 - 2751	ND	Thiamethoxam	44 - 2778	ND
Kresoxim-methyl	43 - 2817	ND	Trifloxystrobin	40 - 2722	ND

Final Approval



Karen Winternheimer 30Mar2023 12:35:00 PM MDT

Sam Smith 30Mar2023 12:51:00 PM MDT

APPROVED BY / DATE



Batch ID or Lot Number: 241111G	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
Reported:	Started:	Received:	
28Mar2023	27Mar2023	24Mar2023	

Residual Solvents -Colorado Compliance

Test ID: T000239192 Methods: TM04 (GC-MS): Residual			
Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	108 - 2166	ND	
Butanes (lsobutane, n-Butane)	221 - 4430	ND	
Methanol	65 - 1306	ND	
Pentane	109 - 2173	ND	
Ethanol	106 - 2110	ND	
Acetone	105 - 2107	ND	
lsopropyl Alcohol	108 - 2159	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	106 - 2124	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	107 - 2141	ND	
Toluene	19 - 373	ND	
Xylenes (m,p,o-Xylenes)	132 - 2646	ND	

Final Approval

PREPARED BY / DATE

Karen Winternheimer 30Mar2023 03:04:00 PM MDT

Sam Smith Somentha Smith 30Mar2023 03:07:00 PM MDT APPROVED BY / DATE



Batch ID or Lot Number:241111G	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported:	Started:	Received:	
28Mar2023	27Mar2023	24Mar2023	

Microbial **Contaminants** -**Colorado Compliance**

Test ID: T000239190 Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial			Quantitation		
(Colorado Panel)	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	
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	m
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
					-

Brianne Maillot

02:52:00 PM MDT

Final Approval

Eden Thompson-Wright Eden Thompson 01Apr2023

09:30:00 AM MDT

Breanne Maillob 02Apr2023 APPROVED BY / DATE

Mycotoxins - Colorado

Compliance

PREPARED BY / DATE

Test ID: T000239193

Methods:	TM18 (UHPLC-QQQ	

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	2.52 - 132.57	ND	N/A	
Aflatoxin B1	0.96 - 33.29	ND		
Aflatoxin B2	0.93 - 32.86	ND		
Aflatoxin G1	1.06 - 32.83	ND		
Aflatoxin G2	0.96 - 32.66	ND		
Total Aflatoxins (B1, B2, G1, an	nd G2)	ND		

Final Approval

Somenthe Small 05Apr2023 11:49:00 AM MDT

Sam Smith

APPROVED BY / DATE

Karen Winternheimer 05Apr2023 Writernheimen 11:51:00 AM MDT

PREPARED BY / DATE



Batch ID or Lot Number:241111G	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 5
Reported:	Started:	Received:	
28Mar2023	27Mar2023	24Mar2023	

Heavy Metals -**Colorado Compliance**

Test ID: T000239191

Methods: TM19 (ICP-MS): Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.06	ND	
Cadmium	0.05 - 4.56	ND	
Mercury	0.04 - 4.27	ND	
Lead	0.05 - 4.52	ND	

Final Approval

Samantha Small 05Apr2023 PREPARED BY / DATE

Sam Smith 03:03:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 05Apr2023 Marchelmer 03:31:00 PM MDT

Definitions

https://results.botanacor.com/api/v1/coas/uuid/88c26460-9cbd-4d5f-b7d9-be422325e044

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: $10^2 = 100$ CFU, $10^3 = 1,000$ CFU, $10^4 = 10,000$ CFU, $10^5 = 100,000$ 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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	96 L-0003	Ce	rtificate of Compliance		OFTC900 Sample Matrix: CBD/HEMP Derivative Products (Ingestion)	
		241111G e: 2024-11-11 From: hemp	Test	Reg State: Colorado		
Order # PR0241115-0 Order Date: 2024-11- ⁻ Sample # AAGD628	040001 Sampling 15 Lab Batch Completi Completi Completi			al Gross Weight: 236.100 g		
Product Image Pathogenic S Specimen Weight Dilution Factor: 1.000 Analyte E.Coli	SE (qPCR) - CO t: 25.200 g Result (cfu/g) Analyte Passed Salmonella	SOP13,029 (qPCR) Result (cfu/g) Passed		Action Limit (cfu/g) (cfu/g) 10000 <10 Result Analyte (cfu/g) 10000 <10		
Aine						

Aixia Sun Lab Director/Principal Scientist D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBCA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC, O-Acetate + Delta 9 THC, O-Acetate + Delta 9 THC, O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Million, (pm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milliorgram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit, per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that

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Page 1 of 1 Form F672