

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

6/29/2024

900mg **PRODUCT STRENGTH: TINCTURE BATCH:** 220728A

**BEST BY DATE:** 

**HEMP EXTRACT LOT:** BCA-000389-220607

#### Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	Characteristic - Olive and Hemp	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	*NLT (product strength) mg /serving	30.08mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: 10 ppm (.001-0.3%)	ND	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	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 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

8/10/22

Date



12423 NE Whitaker Way Portland, OR 97230 503-254-1794



**Report Number:** 22-009064/D002.R000

08/08/2022 Report Date: ORELAP#: OR100028

**Purchase Order:** 

07/29/22 16:57 Received:

OTNAT900-220728A-**Product** 

identity:

22-009064-0001 **Laboratory ID:** 

#### Summary

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Analyte CBD	Result	Limits	Units %	Status	CBD-Total per Serving Size 32.7 mg/1g
CBG	0.215	Limits	% Units	Status	THC-Total per Serving Size <loq< td=""></loq<>
Analyte per 1g CBD per 1g CBG per 1g	<b>Result</b> 32.7 2.15	Limits	mg/1g mg/1g	Status	(Reported in milligrams per serving)

#### Microbiology:

Analyte	Result	Units
Aerobic Plate (	ate Count 170	cfu/g



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**Report Number:** 22-009064/D002.R000

**Report Date:** 08/08/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 07/29/22 16:57

Product identity: OTNAT900-220728A-#1

Client/Metrc ID:

Sample Date:

**Laboratory ID:** 22-009064-0001

Evidence of Cooling: No
Temp: 31.1 °C
Relinquished by: Fedex
Serving Size #1: 1 g

## **Sample Results**

Potency	Method: J AOAC 2015 VS	98-6 (mod) <sup>þ</sup>	Units %	Batch: 2206565	<b>Analyze:</b> 8/3/22 10:41:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD	3.27		%	0.0332	
CBD-A	< LOQ		%	0.00332	
CBD-Total	3.27		%	0.0361	
CBG	0.215		%	0.00332	
CBG-A	< LOQ		%	0.00332	
CBG-Total	0.215		%	0.00619	
CBN	< LOQ		%	0.00332	
$\Delta 8$ -THC	< LOQ		%	0.00332	
Δ9-THC	< LOQ		%	0.00332	
THC-A	< LOQ		%	0.00332	
THC-Total	< LOQ		%	0.00622	
Total Cannabinoids	3.49		%		

Potency per 1g	Method: J AOAC 2015 \	/98-6 (mod) <sup>þ</sup>	Units mg/se Ba	tch: 2206565	<b>Analyze:</b> 8/3/22 10:41:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	32.7		mg/1g	0.332	
CBD-A per 1g	< LOQ		mg/1g	0.0332	
CBD-Total per 1g	32.7		mg/1g	0.361	
CBG per 1g	2.15		mg/1g	0.0332	
CBG-A per 1g	< LOQ		mg/1g	0.0332	
CBG-Total per 1g	2.15		mg/1g	0.0619	
CBN per 1g	< LOQ		mg/1g	0.0332	
$\Delta 8$ -THC per 1g	< LOQ		mg/1g	0.0332	
Δ9-THC per 1g	< LOQ		mg/1g	0.0332	
THC-A per 1g	< LOQ		mg/1g	0.0332	
THC-Total per 1g	< LOQ		mg/1g	0.0622	



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22-009064/D002.R000 **Report Number:** 

**Report Date:** 08/08/2022 ORELAP#: OR100028

**Purchase Order:** 

07/29/22 16:57 Received:

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	170	10,000	cfu/g	10	2206470	08/04/22 AOAC 990.12 (Petrifilm) <sup>þ</sup>	pass
E.coli	< LOQ	100.00	cfu/g	10	2206468	08/04/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	pass
Total Coliforms	< LOQ	100.00	cfu/g	10	2206468	08/04/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	pass
Mold (RAPID Petrifilm)	< LOQ	1,000.	cfu/g	10	2206469	08/05/22 AOAC 2014.05 (RAPID) <sup>b</sup>	pass
Yeast (RAPID Petrifilm)	< LOQ	1,000.	cfu/g	10	2206469	08/05/22 AOAC 2014.05 (RAPID) <sup>b</sup>	pass
Salmonella spp. by PCR	Negative		/25g		2206472	08/03/22 AOAC 2020.02b	



Prepared for:

### **JOY ORGANICS**

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

# 900 mg 5G Broad Spectrum Tincture Bulk in EVOO

Batch ID or Lot Number: BCA-000389-220607	Test: Residual Solvents	Reported: <b>14Jun2022</b>	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000209814	14Jun2022	N/A	
	Method(s):	Received:	Status:	
	TM04 (GC-MS): Residual Solvents	10Jun2022	Active	

<b>Residual Solvents</b>	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1825	ND	
Butanes (Isobutane, n-Butane)	139 - 2779	ND	
Methanol	57 - 1131	ND	
Pentane	81 - 1620	ND	
Ethanol	82 - 1640	ND	
Acetone	88 - 1752	ND	
Isopropyl Alcohol	93 - 1850	ND	
Hexane	6 - 114	ND	
Ethyl Acetate	91 - 1828	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	89 - 1783	ND	
Toluene	17 - 332	ND	
Xylenes (m,p,o-Xylenes)	121 - 2428	ND	

**Final Approval** 

PREPARED BY / DATE

Jacob Miller 14Jun2022 05:51:00 PM MDT

APPROVED BY / DATE

Ryan Weems 14Jun2022 05:55:00 PM MDT



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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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.











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Prepared for:

### **JOY ORGANICS**

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

# 900 mg 5G Broad Spectrum Tincture Bulk in EVOO

Batch ID or Lot Number:	Test:	Reported:	USDA License:
BCA-000389-220607	<b>Heavy Metals</b>	<b>14Jun2022</b>	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit Co	T000209813	14Jun2022	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	10Jun2022	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes	
Arsenic	0.05 - 4.58	ND		
Cadmium	0.05 - 4.53	ND		
Mercury	0.04 - 4.43	ND		
Lead	0.05 - 4.66	ND		

**Final Approval** 

Ryan Weems 14Jun2022

PREPARED BY / DATE

02:50:00 PM MDT

APPROVED BY / DATE

Daniel Weidensaul 14Jun2022 02:53:00 PM MDT



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Prepared for:

### **JOY ORGANICS**

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

# 900 mg 5G Broad Spectrum Tincture Bulk in EVOO

Batch ID or Lot Number: BCA-000389-220607	Test: <b>Pesticides</b>	Reported: <b>16Jun2022</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000209812	Started: 14Jun2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 10Jun2022	Status: NA

Pesticides	<b>Dynamic Range</b> (ppb)	Result (ppb)
Abamectin	365 - 2660	ND
Acephate	45 - 2774	ND
Acetamiprid	43 - 2778	ND
Azoxystrobin	40 - 2739	ND
Bifenazate	42 - 2765	ND
Boscalid	15 - 2744	ND
Carbaryl	40 - 2776	ND
Carbofuran	43 - 2761	ND
Chlorantraniliprole	46 - 2731	ND
Chlorpyrifos	47 - 2776	ND
Clofentezine	306 - 2776	ND
Diazinon	298 - 2777	ND
Dichlorvos	311 - 2758	ND
Dimethoate	45 - 2766	ND
E-Fenpyroximate	296 - 2737	ND
Etofenprox	42 - 2726	ND
Etoxazole	299 - 2708	ND
Fenoxycarb	45 - 2737	ND
Fipronil	39 - 2733	ND
Flonicamid	4 - 2732	ND
Fludioxonil	260 - 2633	ND
Hexythiazox	49 - 2737	ND
Imazalil	286 - 2760	ND
Imidacloprid	51 - 2800	ND
Kresoxim-methyl	53 - 2822	ND

	<b>Dynamic Range</b> (ppb)	Result (ppb)
Malathion	304 - 2758	ND
Metalaxyl	51 - 2788	ND
Methiocarb	39 - 2735	ND
Methomyl	42 - 2747	ND
MGK 264 1	187 - 1618	ND
MGK 264 2	129 - 1129	ND
Myclobutanil	37 - 2661	ND
Naled	28 - 2666	ND
Oxamyl	3 - 2768	ND
Paclobutrazol	41 - 2732	ND
Permethrin	340 - 2681	ND
Phosmet	41 - 2752	ND
Prophos	290 - 2708	ND
Propoxur	39 - 2744	ND
Pyridaben	302 - 2767	ND
Spinosad A	36 - 2242	ND
Spinosad D	55 - 497	ND
Spiromesifen	306 - 2722	ND
Spirotetramat	292 - 2784	ND
Spiroxamine 1	17 - 1160	ND
Spiroxamine 2	21 - 1502	ND
Tebuconazole	259 - 2755	ND
Thiacloprid	41 - 2763	ND
Thiamethoxam	45 - 2752	ND
Trifloxystrobin	41 - 2736	ND

**Final Approval** 

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PREPARED BY / DATE

Karen Winternheimer 16Jun2022 04:48:00 PM MDT

Daniel Westersaul

Daniel Weidensaul 16Jun2022 05:01:00 PM MDT



APPROVED BY / DATE

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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
ppb = Parts Per Billion

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Prepared for:

### **JOY ORGANICS**

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

## 900 mg 5G Broad Spectrum Tincture Bulk in EVOO

Batch ID or Lot Number: BCA-000389-220607	Test: <b>Mycotoxins</b>	Reported: <b>14Jun2022</b>	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000209815	13Jun2022	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	10Jun2022	Active

Mycotoxins	<b>Dynamic Range</b> (ppb)	Result (ppb)	Notes	
Ochratoxin A	3.75 - 130.56	ND	N/A	
Aflatoxin B1	1.02 - 32.57	ND		
Aflatoxin B2	1.05 - 32.35	ND		
Aflatoxin G1	0.99 - 32.70	ND		
Aflatoxin G2	1.05 - 32.66	ND		
Total Aflatoxins (B1, B2, G1,	and G2)	ND		

**Final Approval** 

PREPARED BY / DATE

Jacob Miller 14Jun2022 02:49:00 PM MDT

APPROVED BY / DATE

Ryan Weems 14Jun2022 02:52:00 PM MDT



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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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