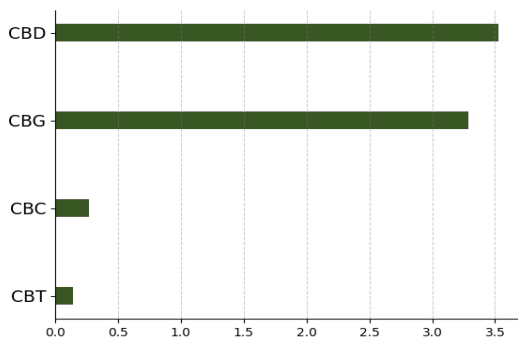
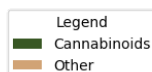
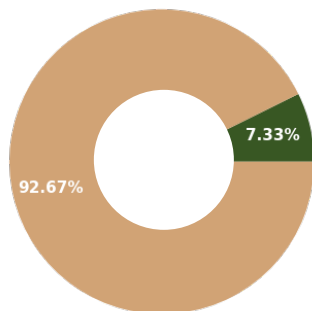


**Cognitive Support Hemp Tincture-Full Spectrum**

<b>Batch ID:</b>	22T5090401	<b>Received:</b>	01/05/2022	<b>Analysis:</b>	18 Cannabinoid Potency
<b>Sample Type:</b>	Tincture	<b>Analyzed:</b>	01/07/2022	<b>Method:</b>	2021.18P.01
		<b>Test ID:</b>	2287	<b>Equipment:</b>	UHPLC

**CANNABINOID PROFILE**

**TOTAL CANNABINOID CONTENT**



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	3.53 ± 0.095	35.30
Cannabigerol (CBG)	4.11e-05	1.25e-04	3.29 ± 0.089	32.89
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	0.10 ± 0.0026	0.97
Cannabacitrin (CBT)	3.95e-05	1.20e-04	0.15 ± 0.0039	1.45
Cannabichromene (CBC)	6.99e-05	2.12e-04	0.27 ± 0.0072	2.65
Cannabinol (CBN)	3.93e-05	1.19e-04	ND	ND
Cannabicyclol (CBL)	4.58e-05	1.39e-04	ND	ND
Cannabicycloic acid (CBLA)	4.00e-05	1.21e-04	ND	ND
Tetrahydrocannabivarin (THCV)	4.04e-05	1.23e-04	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	4.73e-05	1.43e-04	ND	ND
Cannabinolic (CBNA)	4.70e-05	1.42e-04	ND	ND
Tetrahydrocannabivarin Acid (THCVA)	3.66e-05	1.11e-04	ND	ND
Cannabigerolic acid (CBGA)	3.98e-05	1.21e-04	ND	ND
Cannabidiolic acid (CBDA)	4.15e-05	1.26e-04	ND	ND
Cannabidivarin (CBDV)	3.97e-05	1.20e-04	ND	ND
Tetrahydrocannabinolic Acid (THCA)	3.86e-05	1.17e-04	ND	ND
Cannabichromenic acid (CBCA)	3.99e-05	1.21e-04	ND	ND
Cannabidivarinic Acid (CBDVA)	3.99e-05	1.21e-04	ND	ND
<b>Total Cannabinoid**</b>			<b>7.33</b>	<b>73.26</b>
<b>Total Potential THC*</b>			<b>0.10 ± 0.0026</b>	<b>0.97</b>
<b>Total Potential CBD*</b>			<b>3.53 ± 0.095</b>	<b>35.30</b>
<b>Total Potential CBG*</b>			<b>3.29 ± 0.089</b>	<b>32.89</b>

\* Total Potential THC/CBD/CBG is calculated using the following formulas to consider the loss of a carboxyl group during decarboxylation step.

\* Total THC = THC + (THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)) and Total CBG = CBG + (CBGa\*(0.877))

\*\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

**REMARKS**

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

**FINAL AUTHORIZATION**



Brian McCoy, Analytical Chemist  
01/07/2022 10:40 AM

**ANALYZED BY/DATE**



Logan Cline, Director of Analytical Development  
01/07/2022 12:38 PM

**AUTHORIZED BY/DATE**



John Reser, Quality Analyst  
01/10/2022 09:11 AM

**RELEASED BY/DATE**

Laboratory results are based on the sample submitted to Extract Labs, INC, in the condition it was received. Extract Labs, INC, warrants that all analyses performed are in accordance with ISO/IEC 17025:2017. All data is generated using NIST traceable reference material and all reports are produced with the highest regard for scientific integrity. Reports can only be reproduced with the written consent of Extract Labs, INC.



**Cognitive Support Hemp Tincture-Full Spectrum**

<b>Batch ID:</b>	22T5090401	<b>Received:</b>	01/05/2022	<b>Analysis:</b>	Residual Solvents
<b>Sample Type:</b>	Tincture	<b>Analyzed:</b>	01/10/2022	<b>Method:</b>	2021.RS.01
		<b>Test ID:</b>	2288	<b>Equipment:</b>	GCMS

**RESIDUAL SOLVENTS**

SOLVENT	REPORTABLE RANGE	RESULT (ppm)
Acetone	100 - 1000	*ND
Acetonitrile	100 - 1000	*ND
Benzene	0.2 - 4	*ND
Butanes	100 - 1000	*ND
Ethanol	100 - 1000	*ND
Ethyl Acetate	100 - 1000	*ND
Heptane	100 - 1000	*ND
Hexanes	6 - 120	*ND
Isopropyl Alcohol	100 - 1000	*ND
Methanol	100 - 1000	*ND
Pentanes	100 - 1000	*ND
Propane	100 - 1000	*ND
Toluene	18 - 360	*ND
Xylenes	43 - 860	*ND

\*ND = Below Reportable Range

**REMARKS**

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

**FINAL AUTHORIZATION**


 Brian McCoy, Analytical Chemist  
 01/10/2022 03:41 PM

**ANALYZED BY/DATE**


 Logan Cline, Director of Analytical Development  
 01/10/2022 04:36 PM

**AUTHORIZED BY/DATE**


 John Reser, Quality Analyst  
 01/10/2022 04:54 PM

**RELEASED BY/DATE**

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FL License # CMTL-0003  
CLIA No. 10D1094068

## Certificate of Analysis

Compliance Test

**Extract Labs**  
1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 22T5090401  
Batch Date: 2022-01-04  
Extracted From: Hemp

Test Reg State: Oregon

Order # EXT220104-010001  
Order Date: 2022-01-04  
Sample # AAC1344

Sampling Date: 2022-01-07  
Lab Batch Date: 2022-01-07  
Completion Date: 2022-01-08

Initial Gross Weight: 7.653 g  
Net Weight: 3.041 g

Number of Units: 1  
Net Weight per Unit: 3041.000 mg



Product Image

**Microbiology (qPCR)**  
Passed

Potency Panel Not Included

Xueli Gao Lab Toxicologist  
Ph.D., DABT

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



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

**Extract Labs**  
1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 22T5090401  
Batch Date: 2022-01-04  
Extracted From: Hemp

Test Reg State: Oregon

Order # EXT220104-010001  
Order Date: 2022-01-04  
Sample # AACI344

Sampling Date: 2022-01-07  
Lab Batch Date: 2022-01-07  
Completion Date: 2022-01-08

Initial Gross Weight: 7.653 g  
Net Weight: 3.041 g

Number of Units: 1  
Net Weight per Unit: 3041.000 mg

**Microbiology (qPCR)** **Passed**  
(qPCR)

Specimen Weight: 255.600 mg

Dilution Factor: 1.000

Analyte	Result	Analyte	Result
Total Aerobic Count	Passed	Total Coliform	Passed
Total Enterobacteriaceae	Passed	Total Yeast/Mold	Passed

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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## Product Specification

### Cognitive Support, Full Spectrum Hemp Tincture

#### Product Information

Product	Cognitive Support, Full Spectrum Hemp Tincture
Botanical name	<i>Cannabis sativa</i> L.
Plant Part	Flower
Country of Origin	USA
Extraction Process	CO2 Extraction, Winterization
Ingredient Statement	Organic Fractionated Coconut Oil, CO2-Extracted Full Spectrum Hemp Oil

#### Organoleptic Description

Appearance	Light to medium amber oil liquid
Aroma	Typical
Taste	Characteristic

#### Physical Characteristics

Cannabidiol Content (CBD):	>1000mg
Cannabigerol (CBG):	>1000mg
Tetrahydrocannabinol Content (THC):	<0.3%

#### Shelf Life

Shelf life in original glass bottle for up to 2 years.

#### Packaging

Gross weight 2.6 oz (74g), net weight 1oz packaged in 30ml clear glass dropper bottles.  
Secondary packaging in cardboard boxes.  
Larger quantities by arrangement

#### Recommended Storage Conditions

Store at ambient conditions in airtight container.

#### Kosher Certification

CBG Oil Hemp Tincture is certified Kosher by the Orthodox Union, UKD-ID: OUV3-MH4N6SU.

#### GMP Certification

This product was produced in a cGMP Compliant Facility, audited through Eurofins, Certificate #4949.

#### Vegan Certification

CBG Oil Hemp Tincture is certified Vegan by Vegan Action, certificate #8559160.

I declare that the information given is believed to be correct as of date specified below.

Name: Nick Peters

Title: Quality Manager

Date: April 8, 2021