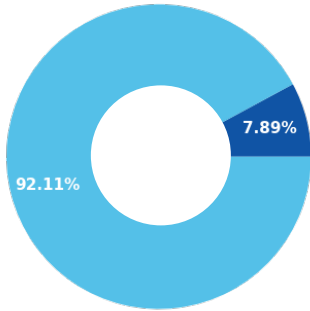
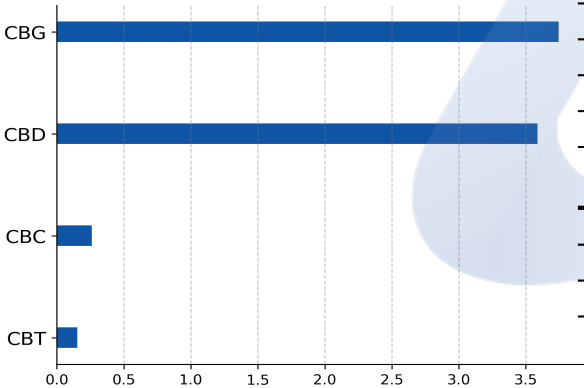


Cognitive Support Tincture

Batch ID:	22T5091512	Received:	12/15/2022	Analysis:	18 Cannabinoid Potency
Sample Type:	Tincture	Analyzed:	12/21/2022	Method:	2021.18P.01
		Test ID:	5799	Equipment:	UHPLC

CANNABINOID PROFILE
TOTAL CANNABINOID CONTENT


Legend
 ■ Cannabinoids
 ■ Other



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	1.01e-02	3.06e-02	3.59 ± 0.097	35.86
Cannabigerol (CBG)	6.90e-03	2.08e-02	3.74 ± 0.10	37.43
Δ9-Tetrahydrocannabinol (Δ9-THC)	6.70e-03	1.01e-02	0.12 ± 0.0033	1.22
Cannabicitran (CBT)	5.10e-03	1.55e-02	0.15 ± 0.0041	1.52
Cannabichromene (CBC)	5.30e-03	1.59e-02	0.26 ± 0.0071	2.61
Cannabinol (CBN)	3.90e-03	1.19e-02	0.03 ± 0.00073	0.27
Cannabicyclol (CBL)	9.30e-03	2.80e-02	< LOQ	< LOQ
Cannabicyclic acid (CBLA)	2.90e-03	8.80e-03	ND	ND
Tetrahydrocannabivarin (THCV)	1.00e-02	3.04e-02	< LOD	< LOD
Δ8-Tetrahydrocannabinol (Δ8-THC)	9.80e-03	2.97e-02	ND	ND
Cannabinolic (CBNA)	1.66e-02	5.02e-02	ND	ND
Tetrahydrocannabivarin Acid (THCVA)	6.10e-03	1.86e-02	ND	ND
Cannabigerolic acid (CBGA)	8.40e-03	2.56e-02	ND	ND
Cannabidiolic acid (CBDA)	5.70e-03	1.72e-02	ND	ND
Cannabidivarin (CBDV)	5.00e-03	1.53e-02	< LOQ	< LOQ
Tetrahydrocannabinolic Acid (THCA)	9.80e-03	2.97e-02	ND	ND
Cannabichromenic acid (CBCA)	1.58e-02	4.78e-02	ND	ND
Cannabidivarinic Acid (CBDVA)	5.30e-03	1.62e-02	ND	ND
Total Cannabinoid**			7.89	78.91
Total Potential THC*			0.12 ± 0.0033	1.22
Total Potential CBD*			3.59 ± 0.097	35.86
Total Potential CBG*			3.74 ± 0.10	37.43

* 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))

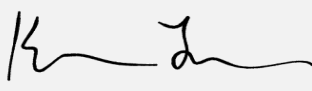


** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

REMARKS

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

FINAL AUTHORIZATION

		
Katie Little, Analytical Scientist 11:07 AM	Alex Bujanow, Microbiologist 12/21/2022 03:47 PM	Logan Cline, Director of Analytical Development 12/21/2022 08:27 PM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories 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 Minova Laboratories.

Cognitive Support Tincture

Batch ID:	22T5091512	Received:	12/15/2022	Analysis:	Residual Solvents
Sample Type:	Tincture	Analyzed:	12/21/2022	Method:	2021.RS.01
		Test ID:	5801	Equipment:	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

		
Katie Little, Analytical Scientist 11:26 AM	Alex Bujanow, Microbiologist 12/21/2022 03:47 PM	Logan Cline, Director of Analytical Development 12/21/2022 08:27 PM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories 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 Minova Laboratories.

Cognitive Support Tincture

Batch ID:	22T5091512	Received:	12/15/2022	Analysis:	Quantitative Microbial Panel - CO Compliance
Sample Type:	Tincture	Analyzed:	12/22/2022	Method:	2022.QMP.01
		Test ID:	5800	Equipment:	qPCR + Culture Plating

QUANTITATIVE MICROBIAL PANEL - CO COMPLIANCE

CONTAMINANT	METHOD	LOD	QUANTITATIVE RANGE	RESULT
Total Yeast and Mold	Culture Plating	1.0E+02	1.0E+03-1.0E+05	ND
Total Aerobic Plate Count	Culture Plating	1.0E+03	1.0E+04-1.0E+06	ND
Total Coliforms	Culture Plating	1.0E+01	1.0E+02-1.0E+04	ND
Salmonella	qPCR	1.0E+00	Not Applicable	Absent
E.coli (STEC)	qPCR	1.0E+00	Not Applicable	Absent

***This method is not covered under the current A2LA and CDPHE scope and is pending accreditation.*

All numerical values indicated above are reported in CFU/g.

Limit of Detection (LOD) is the lowest detectable limit of qPCR.

Quantitative Range is the LLOQ and ULOQ from plating, where quantitative results are derived.

Any value above the ULOQ will be reported as too numerous to count (TNTC). Any value below the LLOQ will be reported as below LOQ.

Values are expressed in scientific notation.

Example: 1.0E+03 = 1,000 CFU

REMARKS
FINAL AUTHORIZATION


 Alex Bujanow, Microbiologist
 12/22/2022 11:17 AM

ANALYZED BY/DATE



 Logan Cline, Director of Analytical Development
 12/27/2022 10:09 AM

AUTHORIZED BY/DATE



 John Reser, Quality Analyst
 12/27/2022 09:15 PM

RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories 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 Minova Laboratories.

 EXTRACT LABS	Finished Product Specification Sheet		
	1399 Horizon Ave., Lafayette, CO 80026	Author: Haley Jones	Effective Date: 11/4/22
		Approved By:	Version #: 1.2

PRODUCT DESCRIPTION

	Product	Cognitive Support Full Spectrum Tincture
	Botanical name	Cannabis sativa L.
	Plant Part	Flower
	Country of Origin	USA
	Extraction Process	CO2 Extraction, Winterization

INGREDIENT STATEMENT

Organic Fractionated Coconut Oil and CO2 Extracted Organic Full Spectrum Hemp Oil.

Organoleptic Description

Appearance Light to dark amber oil liquid

Aroma Typical

Taste Characteristic

Shelf Life

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


PACKAGE CONTENTS (Weights, Dimensions, and Contents)	DIRECTIONS FOR USE
30ml - Gross weight 2.6oz (74g), net weight 1oz	Take 1ml, up to two times daily Individual results may vary.
All packaged in opaque white glass dropper bottles, Secondary packaging in cardboard boxes. Larger quantities by arrangement.	

CAUTION STATEMENT

This product has not been evaluated by the Food and Drug administration and is not intended to diagnose, treat, cure, or prevent any disease.
Before use, consult with your physician if you are nursing or pregnant, have any known allergies or medical conditions, or are taking any medication.

WARNING STATEMENT	SUGGESTED STORAGE
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Keep out of reach of Children. Contains Coconut Oil.	Store at ambient conditions in airtight container. Cool dry place away from direct sunlight.
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	Finished Product Specification Sheet		
	1399 Horizon Ave., Lafayette, CO 80026	Author: Haley Jones	Effective Date: 11/4/22
		Approved By:	Version #: 1.2

PHYSICAL/ CHEMICAL SPECS
Cannabidiol Content (CBD) >1000mg Cannabigerol Content (CBG) > 1000mg Tetrahydrocannabinol Content (THC) <0.3%

MICROBIOLOGICAL SPECS
Salmonella: Absent

CERTIFICATIONS
<p>Kosher Certification Certified Kosher by the Orthodox Union, UKD-ID : OUV3-PNSR80K.</p> <p>GMP Certification The extract used in this product was produced in a cGMP Compliant Facility, audited through Eurofins, Certificate #00008170.</p> <p>Vegan Action Certification This product is certified Vegan by the Vegan Awareness Foundation, Certificate #85594160.</p>