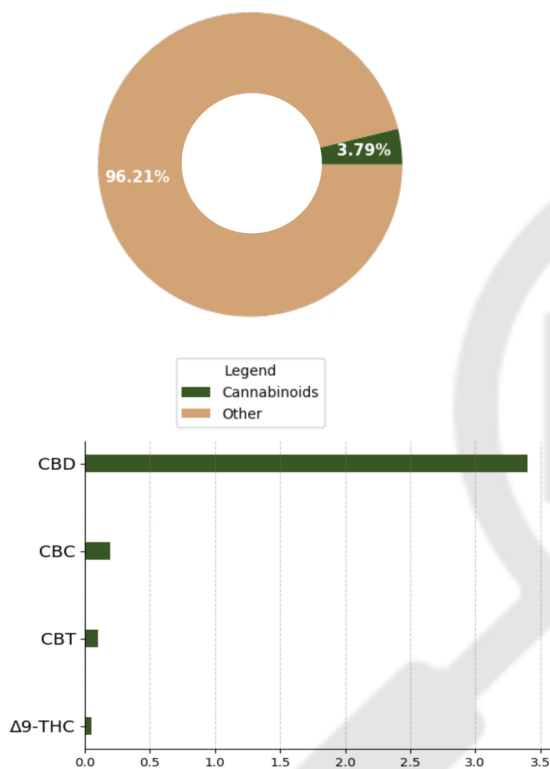


Original - 1000mg/30ml

<b>Batch ID:</b>	21T1031208	<b>Received:</b>	08/13/2021	<b>Analysis:</b>	18 Cannabinoid Potency
<b>Sample Type:</b>	Tincture	<b>Analyzed:</b>	08/19/2021	<b>Method:</b>	2021.18P.01
		<b>Test ID:</b>	1299	<b>Equipment:</b>	UHPLC

## CANNABINOID PROFILE

### TOTAL CANNABINOID CONTENT



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	3.40	34.04
Cannabigerol (CBG)	4.11e-05	1.25e-04	0.02	0.22
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	0.05	0.50
Cannabacitrin (CBT)	3.95e-05	1.20e-04	0.10	0.98
Cannabichromene (CBC)	6.99e-05	2.12e-04	0.20	1.95
Cannabinol (CBN)	3.93e-05	1.19e-04	ND	ND
Cannabicyclol (CBL)	4.58e-05	1.39e-04	ND	ND
Cannabicyclolic 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	0.02	0.18
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
Total Cannabinoid**			3.79	37.87
Total Potential THC*			0.05	0.50
Total Potential CBD*			3.40	34.04
Total Potential CBG*			0.02	0.22

\* 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*

Brian McCoy 08/19/2021 01:17 PM

ANALYZED BY/DATE

*Logan Cline*

Logan Cline 08/19/2021 01:20 PM

AUTHORIZED BY/DATE

*Madi Smith*

Madi Smith 08/19/2021 01:56 PM

RELEASED BY/DATE

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Certificate of Analysis

Compliance Test

Batch # 21T1031208      Test Reg State: Oregon  
Batch Date: 2021-08-12  
Extracted From: Hemp

Order # EXT210813-010017      Sampling Date: 2021-08-17  
Order Date: 2021-08-13      Lab Batch Date: 2021-08-17  
Sample # AABT621      Completion Date: 2021-08-22

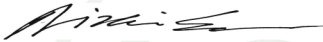


Product Image

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 THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*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

Batch # 21T1031208  
Batch Date: 2021-08-12  
Extracted From: Hemp

Test Reg State: Oregon

Order # EXT210813-010017  
Order Date: 2021-08-13  
Sample # AABT621

Sampling Date: 2021-08-17  
Lab Batch Date: 2021-08-17  
Completion Date: 2021-08-22

Microbiology (qPCR)

Specimen Weight: 264.260 mg

Passed

(qPCR)

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  
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 THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*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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# CERTIFICATE OF ANALYSIS

Original - 1000mg/30ml

Batch ID:	21T1031208	Received:	08/13/2021	Analysis:	Residual Solvents
Sample Type:	Tincture	Analyzed:	08/19/2021	Method:	2021.RS.01
		Test ID:	1300	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



Brian McCoy 08/19/2021 11:14 AM

ANALYZED BY/DATE



Logan Cline 08/19/2021 12:47 PM

AUTHORIZED BY/DATE



Madi Smith 08/19/2021 12:51 PM

RELEASED BY/DATE

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KF



<b>Batch ID:</b>	N/A	<b>Test ID:</b>	T000107185
<b>Type:</b>	Plant	<b>Submitted:</b>	10/30/2020 @ 12:08 PM
<b>Test:</b>	Metals	<b>Started:</b>	11/4/2020
<b>Method:</b>	TM19	<b>Reported:</b>	11/4/2020

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.036 - 3.56	ND
Cadmium	0.035 - 3.49	ND
Mercury	0.036 - 3.56	ND
Lead	0.034 - 3.40	ND

\* ND = None Detected (Defined by Dynamic Range of the method)

## FINAL APPROVAL

  
Daniel Weidensaul  
4-Nov-2020  
5:58 PM  
Greg Zimpfer  
4-Nov-2020  
8:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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KF

<b>Batch ID:</b>		<b>Test ID:</b>	T000107184
<b>Type:</b>	Plant	<b>Submitted:</b>	10/30/2020 @ 12:08 PM
<b>Test:</b>	Pesticides	<b>Started:</b>	11/3/2020
<b>Method:</b>		<b>Reported:</b>	11/4/2020

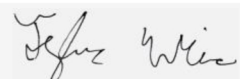
## PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	38 - 2235	ND*	Malathion	272 - 2235	ND*
Acetamiprid	37 - 2235	ND*	Metalaxyl	261 - 2235	ND*
Abamectin	>250	ND*	Methiocarb	38 - 2235	ND*
Azoxystrobin	41 - 2235	ND*	Methomyl	37 - 2235	ND*
Bifenazate	271 - 2235	ND*	MGK 264 1	143 - 2235	ND*
Boscalid	265 - 2235	ND*	MGK 264 2	109 - 2235	ND*
Carbaryl	38 - 2235	ND*	Myclobutanil	39 - 2235	ND*
Carbofuran	38 - 2235	ND*	Naled	256 - 2235	ND*
Chlorantraniliprole	247 - 2235	ND*	Oxamyl	35 - 2235	ND*
Chlorpyrifos	273 - 2235	ND*	Paclobutrazol	39 - 2235	ND*
Clofentezine	259 - 2235	ND*	Permethrin	282 - 2235	ND*
Diazinon	272 - 2235	ND*	Phosmet	266 - 2235	ND*
Dichlorvos	>242	ND*	Prophos	249 - 2235	ND*
Dimethoate	37 - 2235	ND*	Propoxur	38 - 2235	ND*
E-Fenpyroximate	291 - 2235	ND*	Pyridaben	39 - 2235	ND*
Etofenprox	43 - 2235	ND*	Spinosad A	38 - 2235	ND*
Etoxazole	42 - 2235	ND*	Spinosad D	11 - 2235	ND*
Fenoxycarb	>253	ND*	Spiromesifen	>30	ND*
Fipronil	315 - 2235	ND*	Spirotetramat	>256	ND*
Flonicamid	40 - 2235	ND*	Spiroxamine 1	15 - 2235	ND*
Fludioxonil	>299	ND*	Spiroxamine 2	21 - 2235	ND*
Hexythiazox	297 - 2235	ND*	Tebuconazole	274 - 2235	ND*
Imazalil	55 - 2235	ND*	Thiacloprid	37 - 2235	ND*
Imidacloprid	39 - 2235	ND*	Thiamethoxam	36 - 2235	ND*
Kresoxim-methyl	246 - 2235	ND*	Trifloxystrobin	38 - 2235	ND*


\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

## FINAL APPROVAL



Tyler Wiese  
4-Nov-2020  
5:59 PM



Greg Zimpfer  
4-Nov-2020  
8:39 PM

PREPARED BY / DATE

APPROVED BY / DATE

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