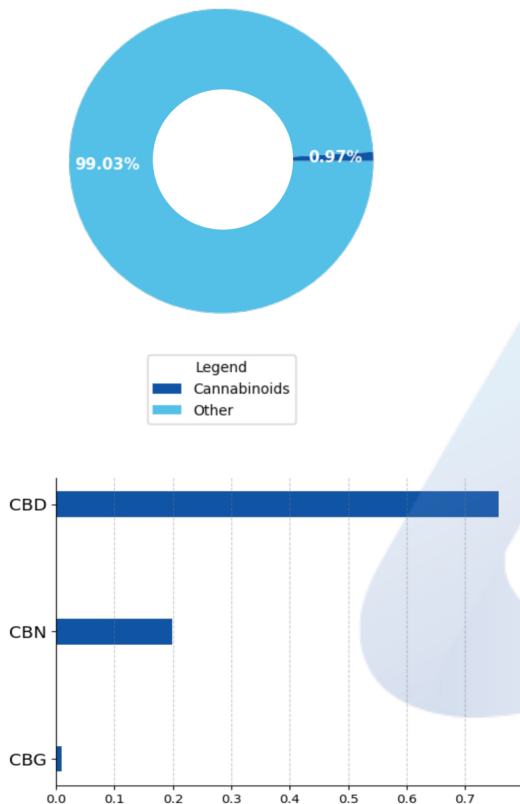


Full Spectrum CBN Gummies

Batch ID:	21E4000501	Received:	11/05/2021	Analysis:	18 Cannabinoid Potency
Sample Type:	Edible	Analyzed:	11/10/2021	Method:	2021.18P.01
		Test ID:	1821	Equipment:	UHPLC

CANNABINOID PROFILE
TOTAL CANNABINOID CONTENT


Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	0.76 ± 0.020	7.58
Cannabigerol (CBG)	4.11e-05	1.25e-04	0.01 ± 0.00025	0.09
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	ND	ND
Cannabicitran (CBT)	3.95e-05	1.20e-04	ND	ND
Cannabichromene (CBC)	6.99e-05	2.12e-04	ND	ND
Cannabinol (CBN)	3.93e-05	1.19e-04	0.20 ± 0.0054	1.99
Cannabicyclol (CBL)	4.58e-05	1.39e-04	ND	ND
Cannabicyclic 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
Total Cannabinoid**			0.97	9.67
Total Potential THC*			ND	ND
Total Potential CBD*			0.76 ± 0.020	7.58
Total Potential CBG*			0.01 ± 0.00025	0.09

* 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. Total mg cannabinoid content based off total sample weight of 5.85g.

FINAL AUTHORIZATION


Brian McCoy, Analytical Chemist
11/10/2021 10:27 AM

ANALYZED BY/DATE



Logan Cline, Director of Analytical Development
11/10/2021 10:34 AM

AUTHORIZED BY/DATE



John Reser, Quality Analyst
11/10/2021 11:40 AM

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.



Full Spectrum CBN Gummies

Batch ID:	21E4000501	Received:	03/15/2022	Analysis:	Residual Solvents
Sample Type:	Edible	Analyzed:	03/17/2022	Method:	2021.RS.01
		Test ID:	3109	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	316
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
03/17/2022 02:45 PM

ANALYZED BY/DATE

Logan Cline, Director of Analytical Development
03/17/2022 03:52 PM

AUTHORIZED BY/DATE

John Reser, Quality Analyst
03/17/2022 04:20 PM

RELEASED BY/DATE

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FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

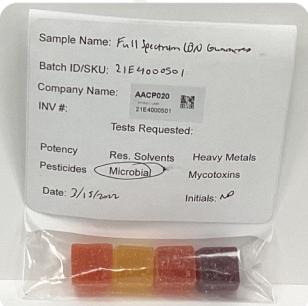
Batch # 21E4000501
Batch Date: 2022-03-15
Extracted From: Hemp

Test Reg State: Oregon

Order # EXT220315-020001
Order Date: 2022-03-15
Sample # AACP020

Sampling Date: 2022-03-19
Lab Batch Date: 2022-03-19
Completion Date: 2022-03-21

Initial Gross Weight: 20.254 g



 Microbiology (qPCR)

Passed

Product Image

Potency Panel Not Included

 Microbiology (qPCR)

Passed

(qPCR)

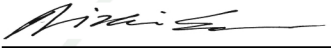
Specimen Weight: 220.300 mg

Dilution Factor: 1.000

Analyte	Result	Analyte	Result
Total Aerobic Count	Passed	Total Enterobacteriaceae	Passed
Total Coliform	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), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *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, *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, (ug/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (ug/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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