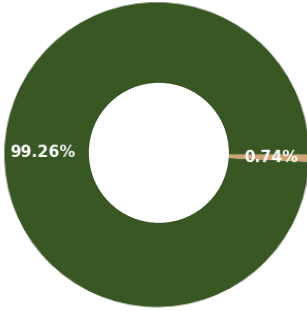
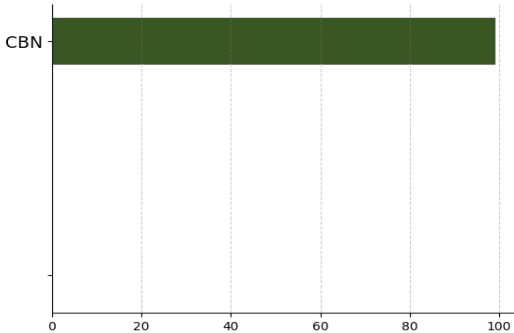


**CBN Isolate**

<b>Batch ID:</b>	I0174_CBN	<b>Received:</b>	11/01/2021	<b>Analysis:</b>	18 Cannabinoid Potency
<b>Sample Type:</b>	Isolate	<b>Analyzed:</b>	11/03/2021	<b>Method:</b>	2021.18P.01
		<b>Test ID:</b>	1780	<b>Equipment:</b>	UHPLC

**CANNABINOID PROFILE**
**TOTAL CANNABINOID CONTENT**


Legend  
 ■ Cannabinoids  
 ■ Other



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	ND	ND
Cannabigerol (CBG)	4.11e-05	1.25e-04	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	ND	ND
Cannabacitrin (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	99.26 ± 2.7	992.60
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
<b>Total Cannabinoid**</b>			99.26	992.60
<b>Total Potential THC*</b>			ND	ND
<b>Total Potential CBD*</b>			ND	ND
<b>Total Potential CBG*</b>			ND	ND

\* 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  
 11/03/2021 01:52 PM

**ANALYZED BY/DATE**



Logan Cline, Analytical Development Chemist  
 11/03/2021 02:46 PM

**AUTHORIZED BY/DATE**



John Reser, Quality Analyst  
 11/03/2021 03:27 PM

**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.

**CBN Isolate**

<b>Batch ID:</b>	I0174_CBN	<b>Received:</b>	11/01/2021	<b>Analysis:</b>	Residual Solvents
<b>Sample Type:</b>	Isolate	<b>Analyzed:</b>	11/05/2021	<b>Method:</b>	2021.RS.01
		<b>Test ID:</b>	1781	<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	483
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**


 Andrew Shannon, Analytical Chemist  
 11/05/2021 10:11 AM

**ANALYZED BY/DATE**


 Brian McCoy, Analytical Chemist  
 11/05/2021 10:41 AM

**AUTHORIZED BY/DATE**


 John Reser, Quality Analyst  
 11/05/2021 10:43 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.



**EXTRACT LABS**  
AMERICAN HEMP

1399 Horizon Ave.,  
Lafayette, CO 80026  
(303) 927-6130

## Product Specification

### Cannabinol, CBN Isolate

#### Product Information

Product	Cannabinol, CBN Isolate
Botanical name	<i>Cannabis sativa</i> L.
Plant Part	Flower
Country of Origin	USA
Extraction Process	CO2 Extraction, Winterization, Distillation, Isolation
Ingredient Statement	CO2-Extracted CBN Isolate

#### Organoleptic Description

Appearance	White to light yellow dry powder
Aroma	Typical
Taste	Characteristic

#### Physical Characteristics

Cannabinol Content (CBN):	96-99.9%
Tetrahydrocannabinol Content (THC):	0.0%

#### Shelf Life

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

#### Packaging

Glass jar, size dependent on individual order.

#### Recommended Storage Conditions

Store at ambient conditions in airtight container.

#### GMP Certification

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

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

Name: Nick Peters

Title: Quality Manager

Date: July 20, 2021