EXTRACT LABS
ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

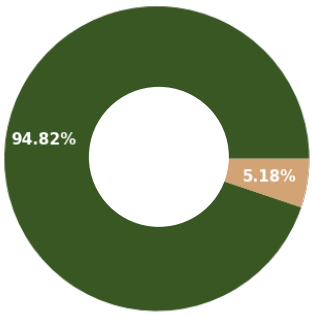
prepared for: Extract Labs
1399 Horizon Ave
Lafayette, CO 80026

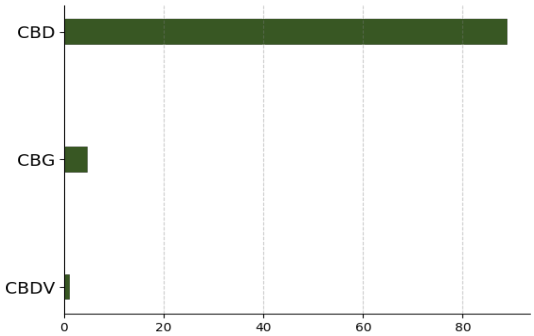
T-Free

Batch ID:	TF0050_CBD	**Received:**	11/08/2021	**Analysis:**	18 Cannabinoid Potency
Sample Type:	Distillate	**Analyzed:**	11/10/2021	**Method:**	2021.18P.01
		Test ID:	1833	**Equipment:**	UHPLC

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT





Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	89.04 ± 2.4	890.36
Cannabigerol (CBG)	4.11e-05	1.25e-04	4.63 ± 0.13	46.30
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	ND	ND
Cannabacitran (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	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	1.16 ± 0.031	11.59
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**			94.82	948.25
Total Potential THC*			ND	ND
Total Potential CBD*			89.04 ± 2.4	890.36
Total Potential CBG*			4.63 ± 0.13	46.30

** 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 11/10/2021 04:35 PM	Logan Cline, Analytical Development Chemist 11/10/2021 04:38 PM	John Reser, Quality Analyst 11/10/2021 04:46 PM
ANALYZED BY/DATE	**AUTHORIZED BY/DATE**	**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.

1399 Horizon Ave. Lafayette, CO 80026

ACCREDITED
CERT #6019.01

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EXTRACT LABS
ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

prepared for: Extract Labs
1399 Horizon Ave
Lafayette, CO 80026

T-Free

Batch ID:	TF0050_CBD	**Received:**	11/08/2021	**Analysis:**	Residual Solvents
Sample Type:	Distillate	**Analyzed:**	11/11/2021	**Method:**	2021.RS.01
		Test ID:	1834	**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, Analytical Chemist 11/11/2021 09:54 AM	Logan Cline, Analytical Development Chemist 11/11/2021 03:20 PM	John Reser, Quality Analyst 11/11/2021 03:34 PM
ANALYZED BY/DATE	**AUTHORIZED BY/DATE**	**RELEASED BY/DATE**

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EXTRACT LABS
AMERICAN HEMP

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

Product Specification

CBD THC-Free Broad Spectrum Distillate

Product Information

Product	CBD THC-Free Bulk Oil
Botanical name	*Cannabis sativa* L.
Plant Part	Flower
Country of Origin	USA
Extraction Process	CO2 Extraction, Winterization, Distillation, Chromatography
Ingredient Statement	CO2-Extracted Hemp Oil

Organoleptic Description

Appearance	Medium to dark amber, thick oily liquid. May crystallize.
Aroma	Typical
Taste	Characteristic

Physical Characteristics

Cannabidiol Content (CBD):	79-95%
Cannabigerol Content (CBG):	2-7%
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.

Kosher Certification

CBD THC-Free Oil is certified Kosher by the Orthodox Union, UKD-ID: OUV3-5B89433.

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: August 11, 2021