EXTRACT LABS
ANALYTICAL SERVICES

# CERTIFICATE OF ANALYSIS

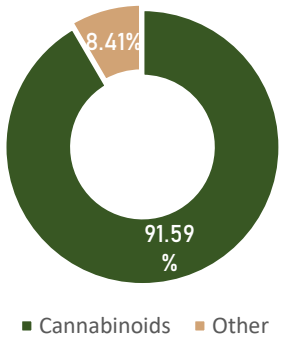
prepared for: Extract Labs

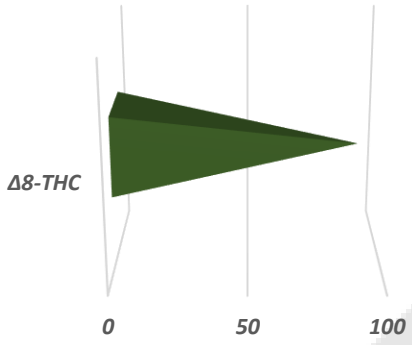
3620 Walnut St.
Boulder, CO 80301

| | | | | | |
|---|---|---|---|---|---|
| Batch ID: | 21D1111503 | Received: | 3/12/2021 | Analysis: | Potency |
| Sample Type: | Delta 8 Distillate | Analyzed: | 3/19/2021 | Method: | 2021.18P.01 |
| | | Test ID: | EL689 | Equipment: | UHPLC |

## CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT




| Cannabinoid | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) |
|---|---|---|---|---|
| Cannabidiol (CBD) | 6.32E-05 | 1.92E-04 | ND | ND |
| Cannabigerol (CBG) | 5.54E-05 | 1.68E-04 | ND | ND |
| Δ9-Tetrahydrocannabinol (Δ9-THC) | 6.38E-05 | 1.93E-04 | ND | ND |
| Cannabacitran (CBT) | 2.53E-05 | 7.66E-05 | ND | ND |
| Cannabichromene (CBC) | 5.82E-05 | 1.76E-04 | ND | ND |
| Cannabinol (CBN) | 5.80E-05 | 1.76E-04 | ND | ND |
| Cannabicyclol (CBL) | 2.19E-05 | 6.65E-05 | ND | ND |
| Cannabicyclolic acid (CBLA) | 1.78E-05 | 5.41E-05 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 5.68E-05 | 1.72E-04 | ND | ND |
| Δ8-Tetrahydrocannabinol (Δ8-THC) | 7.25E-05 | 2.20E-04 | 91.59 | 915.86 |
| Cannabinolic acid (CBNA) | 6.17E-05 | 1.87E-04 | ND | ND |
| Tetrahydrocannabivarinic acid (THCVA) | 6.74E-05 | 2.04E-04 | ND | ND |
| Cannabigerolic acid (CBGA) | 5.54E-05 | 1.68E-04 | ND | ND |
| Cannabidiolic acid (CBDA) | 5.71E-05 | 1.73E-04 | ND | ND |
| Cannabidivarin (CBDV) | 5.34E-05 | 1.61E-04 | ND | ND |
| Δ9-Tetrahydrocannabinolic acid (THCA) | 5.79E-05 | 1.76E-04 | ND | ND |
| Cannabichromenic acid (CBCA) | 1.59E-05 | 4.83E-05 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 5.17E-05 | 1.56E-04 | ND | ND |

| Total Cannabinoids** | 91.59 | 915.86 |
|---|---|---|
| Total Potential Δ9-THC* | 0.00 | 0.00 |
| Total Potential CBD* | 0.00 | 0.00 |
| Total Potential CBG* | 0.00 | 0.00 |

** 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 | Logan Cline | Madi Smith |
|---|---|---|
| 3/19/2021 | 3/19/2021 | 3/19/2021 |
| 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 were done in a professional manner in accordance with all relevant standard laboratory practices and good manufacturing practices. Extract Labs, INC is currently in the process of obtaining ISO 17025 accreditation but has not yet been obtained. All data was generated using certified reference materials and NIST traceable reference standards. Report can only be reproduced with the written consent of Extract Labs, INC.*

EXTRACT LABS
ANALYTICAL SERVICES

# CERTIFICATE OF ANALYSIS

**prepared for: Extract Labs**
**3620 Walnut St**
**Boulder, CO 80301**

| | | | | | |
|---|---|---|---|---|---|
| **Batch ID:** | 21D1111503 | **Received:** | 03/23/2021 | **Analysis:** | Residual Solvents |
| **Sample Type:** | d8-Distillate | **Analyzed:** | 03/30/2021 | **Method:** | 2021.RS.01 |
| | | **Test ID:** | 298 | **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 |

## REMARKS

**ND = Below Reportable Range*

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

## FINAL AUTHORIZATION

Brian McCoy 03/30/2021 12:31 PM
**ANALYZED BY/DATE**

Logan Cline 03/30/2021 12:57 PM
**AUTHORIZED BY/DATE**

Madi Smith 03/30/2021 02:18 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 were done in a professional manner in accordance with all relevant standard laboratory practices and good manufacturing practices. Extract Labs, INC is currently in the process of obtaining ISO 17025 accreditation but has not yet been obtained. All data was generated using certified reference materials and NIST traceable reference standards. Report can only be reproduced with the written consent of Extract Labs, INC.*

EXTRACT LABS
AMERICAN HEMP

3620 Walnut Street
Boulder, CO 80301
(303) 927-6130

# Product Specification

## Hemp Derived Δ8 Distillate

**Product Information**

| | |
|---|---|
| Product | Hemp Derived Δ8 Distillate |
| Botanical name | *Cannabis sativa* L. |
| Plant Part | Flower |
| Country of Origin | USA |
| Ingredient Statement | Hemp Oil |

**Organoleptic Description**

| | |
|---|---|
| Appearance | Clear to pale pink thick oil |
| Aroma | Typical |
| Taste | Characteristic |

**Physical Characteristics**

| | |
|---|---|
| Hemp Derived Δ8: | 83-89% |

**Shelf Life**

Shelf life in original glass jar for up to 1 year.

**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: Alyssa Rosenblum Title: Quality Manager Date: September 21st , 2020

botanacor

# CERTIFICATE OF ANALYSIS

prepared for: EXTRACT LABS
*3620 Walnut Street*
*BOULDER, CO 80301*

## KF

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

PREPARED BY / DATE

Greg Zimpfer
4-Nov-2020
8:00 PM

APPROVED BY / DATE

botanacor

# CERTIFICATE OF ANALYSIS

prepared for: EXTRACT LABS
*3620 Walnut Street*
*BOULDER, CO 80301*

## KF

| | | | |
|---|---|---|---|
| **Batch ID:** | | **Test ID:** | T000107184 |
| **Type:** | Plant | **Submitted:** | 10/30/2020 @ 12:08 PM |
| **Test:** | Pesticides | **Started:** | 11/3/2020 |
| **Method:** | | **Reported:** | 11/4/2020 |

## PESTICIDE RESIDUE

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Acephate | 38 - 2235 | ND* |
| Acetamiprid | 37 - 2235 | ND* |
| Abamectin | >250 | ND* |
| Azoxystrobin | 41 - 2235 | ND* |
| Bifenazate | 271 - 2235 | ND* |
| Boscalid | 265 - 2235 | ND* |
| Carbaryl | 38 - 2235 | ND* |
| Carbofuran | 38 - 2235 | ND* |
| Chlorantraniliprole | 247 - 2235 | ND* |
| Chlorpyrifos | 273 - 2235 | ND* |
| Clofentezine | 259 - 2235 | ND* |
| Diazinon | 272 - 2235 | ND* |
| Dichlorvos | >242 | ND* |
| Dimethoate | 37 - 2235 | ND* |
| E-Fenpyroximate | 291 - 2235 | ND* |
| Etofenprox | 43 - 2235 | ND* |
| Etoxazole | 42 - 2235 | ND* |
| Fenoxycarb | >253 | ND* |
| Fipronil | 315 - 2235 | ND* |
| Flonicamid | 40 - 2235 | ND* |
| Fludioxonil | >299 | ND* |
| Hexythiazox | 297 - 2235 | ND* |
| Imazalil | 55 - 2235 | ND* |
| Imidacloprid | 39 - 2235 | ND* |
| Kresoxim-methyl | 246 - 2235 | ND* |

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Malathion | 272 - 2235 | ND* |
| Metalaxyl | 261 - 2235 | ND* |
| Methiocarb | 38 - 2235 | ND* |
| Methomyl | 37 - 2235 | ND* |
| MGK 264 1 | 143 - 2235 | ND* |
| MGK 264 2 | 109 - 2235 | ND* |
| Myclobutanil | 39 - 2235 | ND* |
| Naled | 256 - 2235 | ND* |
| Oxamyl | 35 - 2235 | ND* |
| Paclobutrazol | 39 - 2235 | ND* |
| Permethrin | 282 - 2235 | ND* |
| Phosmet | 266 - 2235 | ND* |
| Prophos | 249 - 2235 | ND* |
| Propoxur | 38 - 2235 | ND* |
| Pyridaben | 39 - 2235 | ND* |
| Spinosad A | 38 - 2235 | ND* |
| Spinosad D | 11 - 2235 | ND* |
| Spiromesifen | >30 | ND* |
| Spirotetramat | >256 | ND* |
| Spiroxamine 1 | 15 - 2235 | ND* |
| Spiroxamine 2 | 21 - 2235 | ND* |
| Tebuconazole | 274 - 2235 | ND* |
| Thiacloprid | 37 - 2235 | ND* |
| Thiamethoxam | 36 - 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

PREPARED BY / DATE

Greg Zimpfer
4-Nov-2020
8:39 PM

APPROVED BY / DATE