



Colorado Natural Products
CNP Operating, LLC

12742 E Caley Ave. Suite E
Centennial CO 80111

720.468.4588

January 31st, 2022

Chain of Custody Documentation

CNP Operating is an all-new facility offering a 360-degree approach to the processing of high-quality CBD products designed for growers, pharmaceutical, wellness providers, and retailer needs. CNP Operating offers wholesale and white label solutions as well as extraction, distillation, chromatography, and isolation services. CNP Operating boasts of a professional and open environment filled with state-of-the art distillation equipment and a full view of the growing space, it provides facility tours to prove the company's dedication to the stability, security and trust promised to clients. CNP Operating utilizes Figgro ERP for all tracking and traceability which offer transparency to partners and clients throughout each step of our process. CNP Operating also offers an exclusive social and coworking space for CBD professionals to meet fellow industry leaders, discuss the latest trends and technology, and forge the future of the CBD community.



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Chain of Custody

Please see attached COA's for the following Batch Report.

Hemp Raw Material	Lot
Biomass	Biomass-ASA1
Crude	ASA1
Distillate	ASA-220103
Isolate	ASA
Delta-8	



Colorado Natural Products
CNP Operating, LLC

12742 E Caley Ave. Suite E
Centennial CO 80111

720.468.4588

Manufacturing Facility

1. CNP Operating

- a. Address: 12742 E. Caley Ave Centennial, CO 80111
- b. Contact Information: 720-468-4588
- c. FDA Registration: 10114175838
- d. DUNS Registration: 11-744-0881

Testing Facility(s)

1. Botanacor

- a. 1301 S. Jason St. Unit J, Denver, CO 80223
- b. Contact Information: 888.800.8223
- c. ISO/IEC 17025:2017 Accredited
- d. A2LA Cert. # 4329.02, 4329.03
- e. Colorado CDPHE certified



COLORADO
Department of Public
Health & Environment

License to Operate: Manufactured Food Establishment

License must be posted at the following location, in a conspicuous place:

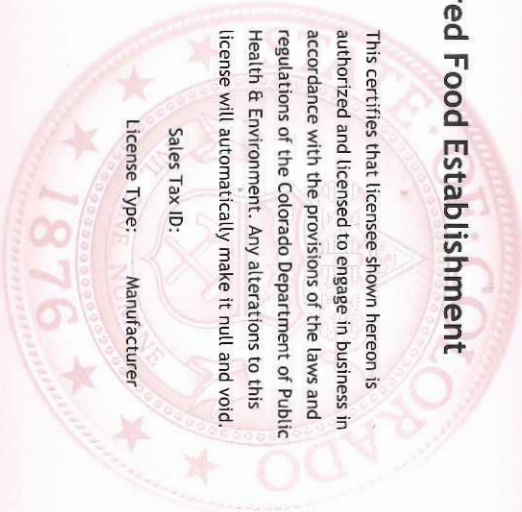
16800 US Hwy 72
Arvada, CO 80007

Issue date: 7/6/21
License Valid until: 6/30/22

CNP Operating LLC
12742 E Caley Ave Suite E
Centennial, CO 80111

This certifies that licensee shown hereon is authorized and licensed to engage in business in accordance with the provisions of the laws and regulations of the Colorado Department of Public Health & Environment. Any alterations to this license will automatically make it null and void.

Sales Tax ID:
License Type: Manufacturer



Issued By: Colorado Department of Public Health & Environment

Ryan F. Quarles
Commissioner



Office of Agriculture Marketing
Hemp Licensing Program
111 Corporate Drive
Frankfort, KY 40601
Phone: (502) 573-0282

Kentucky Department of Agriculture
Hemp Licensing Program
Hemp Grower License

License Holder, Signing Authority (if applicable)	Northern Kentucky Tobacco Greenhouses & Supplies, Inc., James Asa Phillips
License Number	21_0312
Mailing Address	1490 Hwy 35 Sparta, KY 41086

DATE OF ISSUANCE	DATE OF EXPIRATION
03/02/2020	This License shall remain in force so long as annual renewal requirements are met, or until terminated by the department or the license holder. Current year's licensed locations are found on page 2.

The terms and conditions of this license are provided in 302 KAR 50, in the Hemp Grower License Application, and subsequent renewal applications. Refer to page 2 of this license for a complete list of licensed growing, handling, and storage locations for this License Holder for this current year.

This Hemp License has been issued under the authority of KRS 260.850 to 260.869. This license is non-transferable. This license does not automatically renew; License Holders must renew the license annually prior to March 15 of each year.

Law enforcement officials or individuals with questions should reference the current list of License Holders on our website at www.kyagr.com/hemp.

A handwritten signature in blue ink, appearing to read "Keith L. Rogers".

Keith L. Rogers, Chief of Staff

07/23/2021

Date





AgLicense ID # 003580

Clay Rand

CNP OPERATING, LLC
12742 EAST CALEY AVE
UNIT 2E
CENTENNIAL CO 80111





Farm Products Cash Buyer License

THIS LICENSE IS NOT TRANSFERABLE

CNP Operating, LLC

Doing Business As Name(s) (DBA)

CNP Operating, LLC

12742 East Caley Avenue

Unit 2E

Centennial CO 80111

Effective Date

Expires Date

Farm Products Dealer AgLicense ID # 003580

Jan 01, 2022

Dec 31, 2022

Pursuant to provisions of Title 12, Article 16, C.R.S., is hereby granted a license to transact the business of:

Farm Products Cash Buyer

Kate Greenberg

Commissioner of Agriculture

November 30, 2021

Print Date



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Cannabidiol
Brand : CNP OPERATING
CAS-No. : 13956-29-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : CNP Operating
12742 E. Caley Ave, Suite E
CENTENNIAL, CO 80111
USA
Telephone : (720) - 468 - 4588

1.4 Emergency telephone number

Emergency Phone # : 911 OR COMPANY +(720) - 468 - 4588 (9:00am - 5:00pm MST)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula : C₂₁H₃₀O₂
Molecular Weight : 314.46 g/mol
CAS-No. : 13956-29-1

Hazardous components

Component	Classification	Concentration
Cannabidiol		-

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

8.2 Exposure controls**Appropriate engineering controls**

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|---|-------------------------------------|
| a) Appearance | Form: solid
Color: Varies |
| b) Odor | no data available |
| c) Odor Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | Melting point/range: 69 °C (156 °F) |
| f) Initial boiling point and boiling range | no data available |
| g) Flash point | no data available |
| h) Evaporation rate | no data available |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapor pressure | no data available |
| l) Vapor density | no data available |
| m) Relative density | no data available |
| n) Water solubility | no data available |
| o) Partition coefficient: n-octanol/water | no data available |
| p) Auto-ignition temperature | no data available |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties | no data available |

t) Oxidizing properties no data available

9.2 Other safety information

no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Light.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Inhalation: no data available

Dermal: no data available

LD50 Intravenous - mouse - 50 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: VH1600000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Cannabidiol

CAS-No.
13956-29-1

Revision Date

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard:	0
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

Preparation Information

CNP Operating
Product Safety – Americas Region

Version: 5.2

Revision Date: 07/10/2020

Prepared for:

Hemp Biomass

CNP OPERATING


Batch ID or Lot Number: Biomass ASA1	Test: Potency	Reported: 11/17/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
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Matrix: Plant	Test ID: T000175531	Started: 11/16/21	USDA License: N/A
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Status: New Sample	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/11/2021 @ 09:23 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.066	0.218	0.202	2.02	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.074	0.247	0.319	3.19	
Cannabidiolic acid (CBDA)	0.098	0.261	10.248	102.48	
Cannabidiol (CBD)	0.095	0.255	4.138	41.38	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.082	0.271	ND	ND	
Cannabinolic Acid (CBNA)	0.047	0.155	ND	ND	
Cannabinol (CBN)	0.021	0.071	ND	ND	
Cannabigerolic acid (CBGA)	0.069	0.228	0.166*	1.66*	
Cannabigerol (CBG)	0.016	0.055	0.089	0.89	
Tetrahydrocannabivarinic Acid (THCVA)	0.058	0.193	ND	ND	
Tetrahydrocannabivarin (THCV)	0.015	0.050	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.041	0.109	0.079*	0.79*	
Cannabidivarin (CBDV)	0.023	0.060	ND	ND	
Cannabichromenic Acid (CBCA)	0.026	0.088	0.553	5.53	
Cannabichromene (CBC)	0.029	0.096	0.256	2.56	
Total Cannabinoids			16.050	160.50	
Total Potential THC**			0.496	4.96	
Total Potential CBD**			13.125	131.25	


Hannah Wright
17-Nov-2021
06:42 PM


Daniel Weidensaul
17-Nov-21
6:45 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02


Prepared for:


Hemp Biomass
CNP OPERATING

Batch ID or Lot Number: Biomass ASA1	Test: Microbial Contaminants	Reported: 11/16/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: Plant	Test ID: T000175532	Started: 11/11/21	USDA License: N/A
Status: New Sample	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/11/2021 @ 09:23 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	>ULOQ	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	2.2x10 ³ CFU/g	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	>ULOQ	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Present	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Present	


 Brett Hudson
 11/16/2021
 1:17:00 PM


 Brianne Maillot
 11/16/2021
 4:08:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Certificate #4329.02

Prepared for:

CBD CRUDE
CNP OPERATING

Batch ID or Lot Number: ASA1	Test: Potency	Reported: 12/27/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
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Matrix: Concentrate	Test ID: T000183705	Started: 12/22/21	USDA License: N/A
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Status: New Sample	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 12/21/2021 @ 01:03 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.090	0.327	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.102	0.369	2.326	23.26	
Cannabidiolic acid (CBDA)	0.124	0.390	ND	ND	
Cannabidiol (CBD)	0.121	0.380	65.376	653.76	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.112	0.406	ND	ND	
Cannabinolic Acid (CBNA)	0.064	0.232	ND	ND	
Cannabinol (CBN)	0.029	0.106	0.154	1.54	
Cannabigerolic acid (CBGA)	0.094	0.341	ND	ND	
Cannabigerol (CBG)	0.023	0.081	1.163	11.63	
Tetrahydrocannabivarinic Acid (THCVA)	0.080	0.288	ND	ND	
Tetrahydrocannabivarin (THCV)	0.020	0.074	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.052	0.163	ND	ND	
Cannabidivarin (CBDV)	0.029	0.090	0.498	4.98	
Cannabichromenic Acid (CBCA)	0.036	0.131	ND	ND	
Cannabichromene (CBC)	0.040	0.144	ND	ND	
Total Cannabinoids			69.517	695.17	
Total Potential THC**			2.326	23.26	
Total Potential CBD**			65.376	653.76	


 Jacob Miller
 27-Dec-2021
 06:15 PM


 Ryan Weems
 27-Dec-21
 6:19 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



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Certificate #4329.02


Prepared for:


CBD CRUDE
CNP OPERATING

Batch ID or Lot Number: ASA1	Test: Pesticides	Reported: 12/29/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: Concentrate	Test ID: t000183706	Started: 12/28/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 12/21/2021 @ 01:03 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	40	ND	Fenoxycarb	44	ND	Paclobutrazol	41	ND
Acetamiprid	42	ND	Fipronil	40	ND	Permethrin	301	ND
Avermectin	388	ND	Flonicamid	39	ND	Phosmet	42	ND
Azoxystrobin	44	ND	Fludioxonil	287	ND	Prophos	284	ND
Bifenazate	41	ND	Hexythiazox	38	ND	Propoxur	41	ND
Boscalid	41	ND	Imazalil	291	ND	Pyridaben	299	ND
Carbaryl	34	ND	Imidacloprid	45	ND	Spinosad A	35	ND
Carbofuran	39	ND	Kresoxim-methyl	150	ND	Spinosad D	53	ND
Chlorantraniliprole	46	ND	Malathion	281	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	290	ND
Clofentezine	291	ND	Methiocarb	43	ND	Spiroxamine 1	17	ND
Diazinon	282	ND	Methomyl	43	ND	Spiroxamine 2	22	ND
Dichlorvos	292	ND	MGK 264 1	170	ND	Tebuconazole	284	ND
Dimethoate	41	ND	MGK 264 2	115	ND	Thiacloprid	40	ND
E-Fenpyroximate	292	ND	Myclobutanil	38	ND	Thiamethoxam	39	ND
Etofenprox	41	ND	Naled	40	ND	Trifloxystrobin	40	ND
Etoxazole	304	ND	Oxamyl	1500	ND			


 Sam Smith
 12/29/2021
 9:54:00 AM


 Courtney Richards
 12/29/2021
 1:38:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



Certificate #4329.02

Prepared for:


CBD CRUDE

CNP OPERATING

Batch ID or Lot Number: ASA1	Test: Metals	Reported: 12/29/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: Industrial Hemp Co	Test ID: T000183707	Started: 12/28/21	USDA License: N/A
Status: New Sample	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 12/21/2021 @ 01:03 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.047 - 4.65	ND	
Cadmium	0.046 - 4.63	ND	
Mercury	0.046 - 4.63	ND	
Lead	0.047 - 4.66	0.10	

 Sam Smith
29-Dec-21
5:49 PM

 Ryan Weems
29-Dec-21
5:52 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:

CBD CRUDE

CNP OPERATING


Batch ID or Lot Number: ASA1	Test: Mycotoxins	Reported: 12/30/21	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: Concentrate	Test ID: T000183708	Started: 12/29/21	USDA License: N/A
Status: New Sample	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 12/21/2021 @ 01:03 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.6 - 135.9	ND	N/A
Aflatoxin B1	1 - 33.8	ND	
Aflatoxin B2	1 - 33.8	ND	
Aflatoxin G1	1 - 33.8	ND	
Aflatoxin G2	1.1 - 33.2	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

 Ryan Weems
30-Dec-21
3:01 PM

PREPARED BY / DATE

 Sam Smith
30-Dec-21
3:12 PM

APPROVED BY / DATE

Definitions

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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:

CBD Distillate
CNP OPERATING


Batch ID or Lot Number:= ASA-220103	Test: Potency	Reported: 1/7/22	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
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Matrix: Concentrate	Test ID: T000185502	Started: 1/6/22	USDA License: N/A
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Status: New Sample	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 01/04/2022 @ 03:12 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.120	0.400	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.135	0.452	2.217	22.17	
Cannabidiolic acid (CBDA)	0.158	0.548	ND	ND	
Cannabidiol (CBD)	0.154	0.535	82.156	821.56	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.149	0.498	ND	ND	
Cannabinolic Acid (CBNA)	0.085	0.285	ND	ND	
Cannabinol (CBN)	0.039	0.130	0.1*	1*	
Cannabigerolic acid (CBGA)	0.125	0.418	ND	ND	
Cannabigerol (CBG)	0.030	0.100	0.787	7.87	
Tetrahydrocannabivarinic Acid (THCVA)	0.106	0.353	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.091	0.043*	0.43*	
Cannabidivarinic Acid (CBDVA)	0.066	0.229	ND	ND	
Cannabidivarin (CBDV)	0.036	0.126	0.876	8.76	
Cannabichromenic Acid (CBCA)	0.048	0.161	ND	ND	
Cannabichromene (CBC)	0.053	0.176	0.057*	0.57*	
Total Cannabinoids			86.236	862.36	
Total Potential THC**			2.217	22.17	
Total Potential CBD**			82.156	821.56	


 Daniel Weidensaul
 07-Jan-2022
 12:21 PM


 Ryan Weems
 7-Jan-22
 12:25 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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Certificate #4329.02


Prepared for:

CBD ISOLATE
CNP OPERATING


Batch ID or Lot Number: ASA	Test: Potency	Reported: 1/25/22	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: Concentrate	Test ID: T000188673	Started: 1/24/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 01/21/2022 @ 01:47 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.131	0.443	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.148	0.500	ND	ND	
Cannabidiolic acid (CBDa)	0.173	0.506	ND	ND	
Cannabidiol (CBD)	0.169	0.494	102.440	1024.40	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.162	0.551	ND	ND	
Cannabinolic Acid (CBNA)	0.093	0.316	ND	ND	
Cannabinol (CBN)	0.043	0.144	ND	ND	
Cannabigerolic acid (CBGA)	0.136	0.462	ND	ND	
Cannabigerol (CBG)	0.033	0.111	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.115	0.391	ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.101	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.072	0.211	ND	ND	
Cannabidivarin (CBDV)	0.040	0.117	0.308	3.08	
Cannabichromenic Acid (CBCA)	0.053	0.178	ND	ND	
Cannabichromene (CBC)	0.057	0.195	ND	ND	
Total Cannabinoids			102.748	1027.48	
Total Potential THC**			ND	ND	
Total Potential CBD**			102.440	1024.40	


 Ryan Weems
 25-Jan-2022
 07:05 PM

PREPARED BY / DATE


 Daniel Weidensaul
 25-Jan-22
 7:12 PM

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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Prepared for:


CBD ISOLATE


CNP OPERATING

Batch ID or Lot Number: ASA	Test: Residual Solvents	Reported: 1/26/22	Location: 12742 E CALEY AVE #2E CENTENNIAL, CO 80111
Matrix: N/A	Test ID: T000188674	Started: 1/26/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 01/21/2022 @ 01:47 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1705	*ND	
Butanes (Isobutane, n-Butane)	174 - 3472	*ND	
Methanol	62 - 1237	*ND	
Pentane	92 - 1845	336	
Ethanol	96 - 1923	*ND	
Acetone	101 - 2013	*ND	
Isopropyl Alcohol	105 - 2107	*ND	
Hexane	6 - 121	*ND	
Ethyl Acetate	100 - 1995	*ND	
Benzene	0.2 - 4.2	*ND	
Heptanes	103 - 2052	*ND	
Toluene	18 - 363	*ND	
Xylenes (m,p,o-Xylenes)	132 - 2648	*ND	

 Sam Smith
26-Jan-22
2:51 PM

 Daniel Weidensaul
26-Jan-22
2:54 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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