

CBD North

License: Personal Use
Sample Amount Submitted:

Sample Received: 01/29/2024
Report Created: 02/07/2024

Sample: CBN Isolate

Sample Description: Cannabinoid Isolate Powder


| Total THC %* | Total CBD %* | Total CBN %* | Total Cannabinoids % | Foreign Matter Inspection Ph. Eur. 2.8.2; < 2% |
|-----------------|-----------------|-----------------|----------------------------|--|
| <LOQ | <LOQ | 98.35 | 98.35 | PASS |

| Cannabinoid | LOQ/ LOD % | Percent by Weight | mg/g |
|-------------|---------------|-------------------|--------|
| CBN | 0.01 | 98.346 | 983.46 |
| CBD | 0.01 | <LOQ | <LOQ |
| Δ9-THC | 0.01 | <LOQ | <LOQ |
| CBG | 0.01 | <LOQ | <LOQ |
| CBC | 0.01 | <LOQ | <LOQ |
| CBDV | 0.01 | <LOQ | <LOQ |
| CBL | 0.01 | <LOQ | <LOQ |
| THCV | 0.01 | <LOQ | <LOQ |
| Δ10-THC | 0.01 | <LOQ | <LOQ |
| Δ8-THC | 0.01 | <LOQ | <LOQ |
| THC Acid | 0.01 | ND | ND |
| CBG Acid | 0.01 | ND | ND |
| THCV Acid | 0.01 | ND | ND |
| CBC-Acid | 0.01 | ND | ND |
| CBD Acid | 0.01 | ND | ND |
| CBDV Acid | 0.01 | ND | ND |
| CBN Acid | 0.01 | ND | ND |

Method: HPLC-DAD. LOQ = Limit of Quantitation; LOD = Limit of Detection; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ***When reporting totals, acidic cannabinoids are multiplied by 0.877 to account for loss of mass from decarboxylation upon heating; therefore, this is the POTENTIAL amount upon complete decarboxylation from smoking/ vaping.**

PURA ANALYTICAL LABS

Pura Analytical Labs Inc.
Unit 1, 2984 Boys Road, DUNCAN, BC
(250) 929-2002 <https://www.puralabs.ca>
Health Canada Lic # LIC-LEHSCQIYN-2022



Denise Johnson
Head of Laboratory

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MICROBIALS

| Microbial Parameters | Permissible Limit | LOQ/ LOD | Results | Status |
|-------------------------------|-------------------|----------|-----------|--------|
| | CFU/g | CFU/g | CFU/g | |
| Total Aerobic Bacteria | 1000 | 10 | ND | PASS |
| Total Yeast/ Mold | 100 | 10 | ND | PASS |
| E. coli | Absent in 1g | 1 | ND | PASS |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Method: Petrifilm Plate method for enumerations; Quantitative PCR for presence/ absence assays. Criteria: Eur. Ph. 5.1.4. Oral Use Limits. Absence of E. coli in 1g.
LOQ = Limit of Quantitation; LOD = Limit of Detection; CFU = Colony Forming Units. The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ND = Not Detectable, NR = Not Reported, NT = Not Tested

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HEAVY METALS

| Analyte | Permissible Limit | LOQ/ LOD | Results | Status |
|---------|-------------------|----------|---------------|--------|
| | ppm | ppm | ppm | |
| Arsenic | 1.5 | 0.0001 | 0.0047 | PASS |
| Cadmium | 0.5 | 0.0001 | 0.0044 | PASS |
| Lead | 0.5 | 0.0001 | 0.0022 | PASS |
| Mercury | 3.0 | 0.0001 | 0.0204 | PASS |

Method: ICP-MS. Criteria ICH guideline Q3D (R1) on elemental impurities Table A.2.2: Oral Use Concentration. PPM = Parts per Million; LOQ = Limit of Quantitation; LOD = Limit of Detection. The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ND = Not Detectable, NR = Not Reported, NT = Not Tested

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MYCOTOXINS

| Analyte | Permissible Limit | LOQ/LOD | Results | Status |
|------------------|-------------------|---------|---------|--------|
| | ppb | ppb | ppb | |
| Aflatoxin B1 | 1 | 1 | ND | PASS |
| Aflatoxin B2 | 1 | 1 | ND | PASS |
| Aflatoxin G1 | 1 | 1 | ND | PASS |
| Aflatoxin G2 | 1 | 1 | ND | PASS |
| Total Aflatoxins | 4 | 4 | ND | PASS |
| Ochratoxin A | 20 | 10 | ND | PASS |


Method: LC-MS/MS ESI. Criteria: Eur. Ph. 2.8.18 & 2.8.22.

LOQ = Limit of Quantitation; LOD Limit of Detection; PPB = Parts per Billion.

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ND = Not Detectable, NR = Not Reported, NT = Not Tested

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PESTICIDES

| Analyte | Permissible Limit | LOQ | Results | Status | Analyte | Permissible Limit | LOQ | Results | Status |
|---------------------|-------------------|------|---------|--------|--------------------|-------------------|------|---------|--------|
| | ppm | ppm | ppm | | | ppm | ppm | ppm | |
| Abamectin | 0.25 | 0.25 | <LOQ | PASS | Cyprodinil | 0.25 | 0.25 | <LOQ | PASS |
| Acephate | 0.05 | 0.05 | <LOQ | PASS | Daminozide | 0.10 | 0.10 | <LOQ | PASS |
| Acequinocyl | 0.05 | 0.05 | <LOQ | PASS | Deltamethrin | 1.00 | 1.00 | <LOQ | PASS |
| Acetamiprid | 0.10 | 0.10 | <LOQ | PASS | Diazinon | 0.02 | 0.02 | <LOQ | PASS |
| Aldicarb | 1.00 | 1.00 | <LOQ | PASS | Dichlorvos | 0.10 | 0.10 | <LOQ | PASS |
| Allethrin | 0.20 | 0.20 | <LOQ | PASS | Dimethoate | 0.02 | 0.02 | <LOQ | PASS |
| Azadirachtin | 1.00 | 1.00 | <LOQ | PASS | Dimethomorph | 0.05 | 0.05 | <LOQ | PASS |
| Azoxystrobin | 0.02 | 0.02 | <LOQ | PASS | Dinotefuran | 0.10 | 0.10 | <LOQ | PASS |
| Benzovindiflupyr | 0.02 | 0.02 | <LOQ | PASS | Dodemorph | 0.05 | 0.05 | <LOQ | PASS |
| Bifenazate | 0.05 | 0.05 | <LOQ | PASS | Endosulfan Sulfate | 0.50 | 0.50 | <LOQ | PASS |
| Bifenthrin | 1.00 | 1.00 | <LOQ | PASS | Endosulfan-alpha | 0.20 | 0.20 | <LOQ | PASS |
| Boscalid | 0.02 | 0.02 | <LOQ | PASS | Endosulfan-beta | 0.50 | 0.50 | <LOQ | PASS |
| Buprofezin | 0.02 | 0.02 | <LOQ | PASS | Ethoprophos | 0.02 | 0.02 | <LOQ | PASS |
| Carbaryl | 0.05 | 0.05 | <LOQ | PASS | Etofenprox | 0.05 | 0.05 | <LOQ | PASS |
| Carbofuran | 0.02 | 0.02 | <LOQ | PASS | Etoazole | 0.02 | 0.02 | <LOQ | PASS |
| Chlorantraniliprole | 0.02 | 0.02 | <LOQ | PASS | Etridiazol | 0.03 | 0.03 | <LOQ | PASS |
| Chlorphenapyr | 0.10 | 0.10 | <LOQ | PASS | Fenoxycarb | 0.02 | 0.02 | <LOQ | PASS |
| Chlorpyrifos | 0.04 | 0.04 | <LOQ | PASS | Fenpyroximate | 0.02 | 0.02 | <LOQ | PASS |
| Clofentezine | 0.02 | 0.02 | <LOQ | PASS | Fensulfothion | 0.02 | 0.02 | <LOQ | PASS |
| Clothianidin | 0.05 | 0.05 | <LOQ | PASS | Fenthion | 0.02 | 0.02 | <LOQ | PASS |
| Coumaphos | 0.02 | 0.02 | <LOQ | PASS | Fenvalerate | 0.10 | 0.10 | <LOQ | PASS |
| Cyantranilipole | 0.02 | 0.02 | <LOQ | PASS | Fipronil | 0.06 | 0.06 | <LOQ | PASS |
| Cyfluthrin | 1.00 | 1.00 | <LOQ | PASS | Fonicamid | 0.05 | 0.05 | <LOQ | PASS |
| Cypermethrin | 1.00 | 1.00 | <LOQ | PASS | Fludioxonil | 0.02 | 0.02 | <LOQ | PASS |

PURA ANALYTICAL LABS

Method: LC-MS/MS Dual Ion Source. **Limits are set by Health Canada for Cannabis Concentrates.** PPM = Parts per Million; LOQ = Limit of Quantitation. The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ND = Not Detectable, NR = Not Reported, NT = Not Tested

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PESTICIDES

| Analyte | Permissible Limit | LOQ | Results | Status | Analyte | Permissible Limit | LOQ | Results | Status |
|------------------|-------------------|------|---------|--------|--------------------|-------------------|------|---------|--------|
| | ppm | ppm | ppm | | | ppm | ppm | ppm | |
| Fluopyram | 0.02 | 0.02 | <LOQ | PASS | Piperonyl Butoxide | 0.25 | 0.25 | <LOQ | PASS |
| Hexythiazox | 0.01 | 0.01 | <LOQ | PASS | Pirimicarb | 0.02 | 0.02 | <LOQ | PASS |
| Imazalil | 0.05 | 0.05 | <LOQ | PASS | Prallethrin | 0.05 | 0.05 | <LOQ | PASS |
| Imidacloprid | 0.02 | 0.02 | <LOQ | PASS | Propiconazole | 0.10 | 0.10 | <LOQ | PASS |
| Iprodione | 1.00 | 1.00 | <LOQ | PASS | Propoxur | 0.02 | 0.02 | <LOQ | PASS |
| Kinoprene | 0.50 | 0.50 | <LOQ | PASS | Pyraclostrobin | 0.02 | 0.02 | <LOQ | PASS |
| Kresoxim-methyl | 0.02 | 0.02 | <LOQ | PASS | Pyrethrins | 0.05 | 0.05 | <LOQ | PASS |
| Malathion | 0.02 | 0.02 | <LOQ | PASS | Pyridaben | 0.05 | 0.05 | <LOQ | PASS |
| Metalaxyl | 0.02 | 0.02 | <LOQ | PASS | Resmethrin | 0.10 | 0.10 | <LOQ | PASS |
| Methiocarb | 0.02 | 0.02 | <LOQ | PASS | Spinetoram | 0.02 | 0.02 | <LOQ | PASS |
| Methomyl | 0.05 | 0.05 | <LOQ | PASS | Spinosad | 0.10 | 0.10 | <LOQ | PASS |
| Methoprene | 2.00 | 2.00 | <LOQ | PASS | Spirodiclofen | 0.25 | 0.25 | <LOQ | PASS |
| Mevinphos | 0.05 | 0.05 | <LOQ | PASS | Spiromesifen | 3.00 | 3.00 | <LOQ | PASS |
| MGK-264 | 0.05 | 0.05 | <LOQ | PASS | Spirotetramat | 0.10 | 0.10 | <LOQ | PASS |
| Myclobutanil | 0.02 | 0.02 | <LOQ | PASS | Spiroxamine | 0.10 | 0.10 | <LOQ | PASS |
| Naled | 0.20 | 0.20 | <LOQ | PASS | Tebuconazole | 0.05 | 0.05 | <LOQ | PASS |
| Novaluron | 0.05 | 0.05 | <LOQ | PASS | Tebufenozide | 0.02 | 0.02 | <LOQ | PASS |
| Oxamyl | 3.00 | 3.00 | <LOQ | PASS | Teflubenzuron | 0.05 | 0.05 | <LOQ | PASS |
| Paclobutrazol | 0.02 | 0.02 | <LOQ | PASS | Tetramethrin | 0.10 | 0.10 | <LOQ | PASS |
| Parathion Methyl | 0.05 | 0.05 | <LOQ | PASS | Tetrachlorvinphos | 0.02 | 0.02 | <LOQ | PASS |
| PCNB | 0.02 | 0.02 | <LOQ | PASS | Thiacloprid | 0.02 | 0.02 | <LOQ | PASS |
| Permethrin | 0.50 | 0.50 | <LOQ | PASS | Thiamethoxam | 0.02 | 0.02 | <LOQ | PASS |
| Phenothrin | 0.05 | 0.05 | <LOQ | PASS | Thiophanate-Methyl | 0.05 | 0.05 | <LOQ | PASS |
| Phosmet | 0.02 | 0.02 | <LOQ | PASS | Trifloxystrobin | 0.02 | 0.02 | <LOQ | PASS |

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Method: LC-MS/MS Dual Ion Source. **Limits are set by Health Canada for Cannabis Concentrates.** PPM = Parts per Million; LOQ = Limit of Quantitation.

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RESIDUAL SOLVENTS

| Analyte | Permissible Limit ppm | LOQ ppm | Result ppm | Status |
|-----------------------------|-----------------------|---------|--------------|--------|
| Acetic acid | ≤ 5000 | 500 | <LOQ | PASS |
| Acetone | ≤ 5000 | 50 | <LOQ | PASS |
| Anisole | ≤ 5000 | 50 | <LOQ | PASS |
| 1-Butanol | ≤ 5000 | 50 | <LOQ | PASS |
| 2-Butanol | ≤ 5000 | 50 | <LOQ | PASS |
| Butane (sum of n- and iso-) | ≤ 5000 | 50 | <LOQ | PASS |
| Butyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| Tert-Butyl methyl ether | ≤ 5000 | 50 | <LOQ | PASS |
| Dimethyl sulfoxide | ≤ 5000 | 50 | <LOQ | PASS |
| Ethanol | ≤ 5000 | 50 | <LOQ | PASS |
| Ethyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| Ethyl ether | ≤ 5000 | 50 | <LOQ | PASS |
| Ethyl formate | ≤ 5000 | 50 | <LOQ | PASS |
| Formic acid | ≤ 5000 | 500 | <LOQ | PASS |
| Heptane | ≤ 5000 | 50 | <LOQ | PASS |
| Isobutyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| Isopropyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| Methyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| 3-Methyl-1-butanol | ≤ 5000 | 50 | <LOQ | PASS |
| Methyl ethyl ketone | ≤ 5000 | 50 | <LOQ | PASS |
| 2-Methyl-1-propanol | ≤ 5000 | 50 | <LOQ | PASS |
| Pentane | ≤ 5000 | 50 | <LOQ | PASS |
| 1-Pentanol | ≤ 5000 | 50 | <LOQ | PASS |
| 1-Propanol | ≤ 5000 | 50 | <LOQ | PASS |
| 2-Propanol (Isopropanol) | ≤ 5000 | 50 | 61.18 | PASS |
| Propane | ≤ 5000 | 50 | <LOQ | PASS |
| Propyl acetate | ≤ 5000 | 50 | <LOQ | PASS |
| Triethylamine | ≤ 5000 | 500 | <LOQ | PASS |

PURA ANALYTICAL LABS

Method: GC-FID. Criteria: ICH guideline Q3C (R6) on impurities: guideline for residual solvents; Table 3, Class 3 Residual Solvents. LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. ND = Not Detectable, NR = Not Reported, NT = Not Tested

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