

CBD North

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Sample Amount Submitted:

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

Sample: CBD Isolate

Sample Description: Cannabinoid isolate powder


Total THC %*	Total CBD %*	Total Cannabinoids %	Foreign Matter Inspection Ph. Eur. 2.8.2; < 2%
<LOQ	98.81	100.00	PASS

Cannabinoid	LOQ/ LOD %	Percent by Weight	mg/g
CBD	0.01	98.393	983.93
CBDV	0.01	1.131	11.31
CBD Acid	0.01	0.476	4.76
THC Acid	0.01	<LOQ	<LOQ
CBG Acid	0.01	ND	ND
THCV Acid	0.01	ND	ND
CBC-Acid	0.01	ND	ND
Δ9-THC	0.01	ND	ND
CBG	0.01	ND	ND
CBC	0.01	ND	ND
CBDV Acid	0.01	ND	ND
CBL	0.01	ND	ND
CBN	0.01	ND	ND
CBN Acid	0.01	ND	ND
THCV	0.01	ND	ND
Δ10-THC	0.01	ND	ND
Δ8-THC	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-LEHSCQIYIN-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	0.0129	PASS
Cadmium	0.5	0.0001	0.0052	PASS
Lead	0.5	0.0001	0.0158	PASS
Mercury	3.0	0.0001	0.0850	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.

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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	Etoxazole	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.

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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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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	358.04	PASS
1-Pentanol	≤ 5000	50	<LOQ	PASS
1-Propanol	≤ 5000	50	<LOQ	PASS
2-Propanol (Isopropanol)	≤ 5000	50	97.01	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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