



Certificate of Analysis

Protonify
1451 Island Highway East
NanOOSE Bay, BC V9P 9A3
afisher@protonify.com

License: LIC- C36HD6C4YY-2024
Sample Amount Submitted: 33.15g

Sample Received: 04/08/2024
Report Created: 04/15/2024

Sample: PR-0118-04042024-1024

Report ID: PR-0118-04042024-1024_FINAL_04-15-2024

Sample Description: THC Extract

Total THC %*	Total CBD %*	Total Cannabinoids %
86.30	0.77	99.98

Cannabinoid	LOQ %	Percent by Weight	mg/g
Δ9-THC	0.01	65.460	654.60
THC Acid	0.01	23.761	237.61
CBN Acid	0.01	2.654	26.54
CBN	0.01	2.159	21.59
CBG Acid	0.01	1.994	19.94
CBG	0.01	0.926	9.26
CBC-Acid	0.01	0.863	8.63
THCV	0.01	0.590	5.90
CBD	0.01	0.556	5.56
CBC	0.01	0.551	5.51
CBD Acid	0.01	0.248	2.48
THCV Acid	0.01	0.220	2.20
CBDV	0.01	<LOQ	<LOQ
CBDV Acid	0.01	<LOQ	<LOQ
CBL	0.01	<LOQ	<LOQ
Δ10-THC	0.01	<LOQ	<LOQ
Δ8-THC	0.01	<LOQ	<LOQ

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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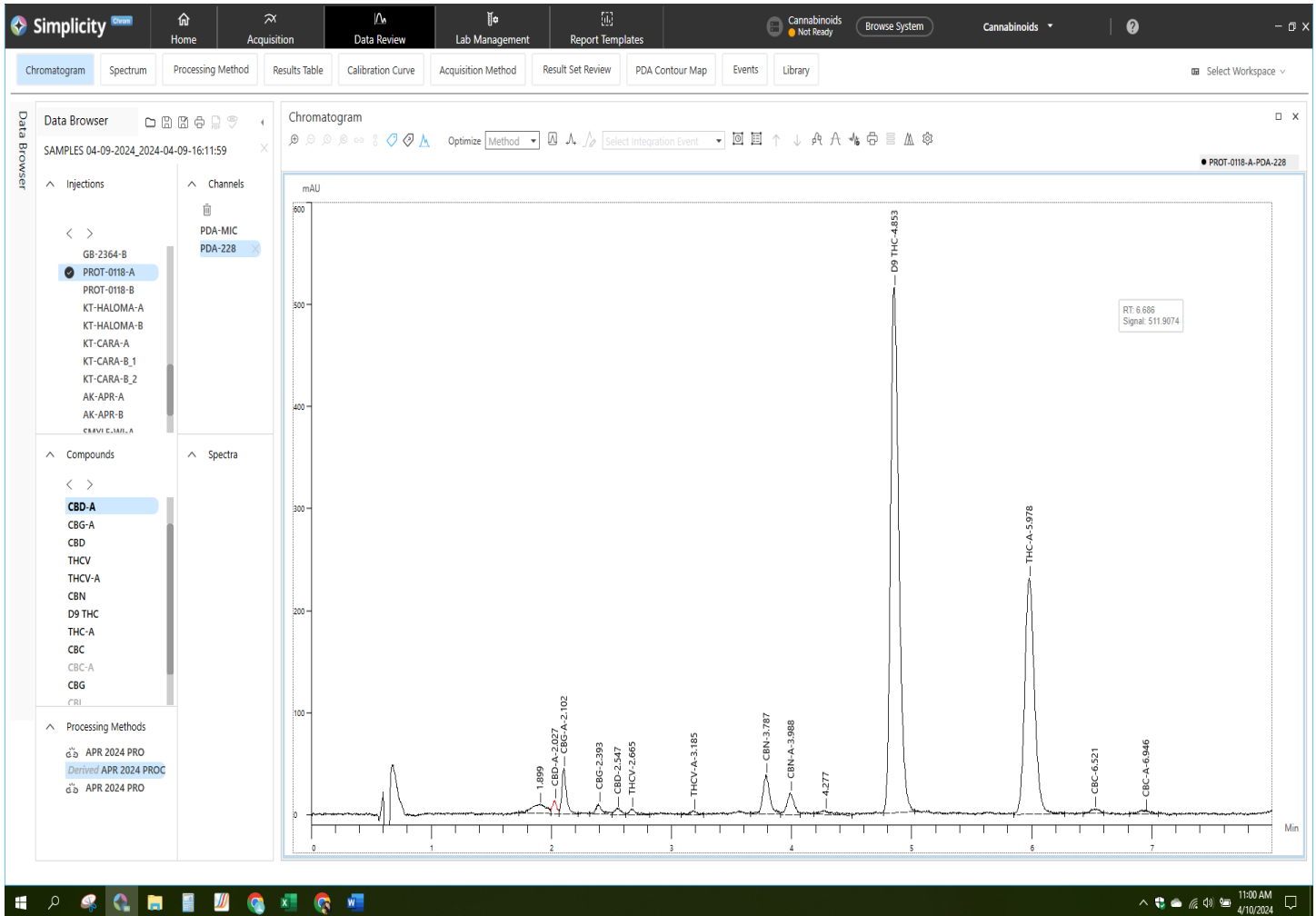
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Sample Description: THC Extract

CHROMATOGRAM Rep A:



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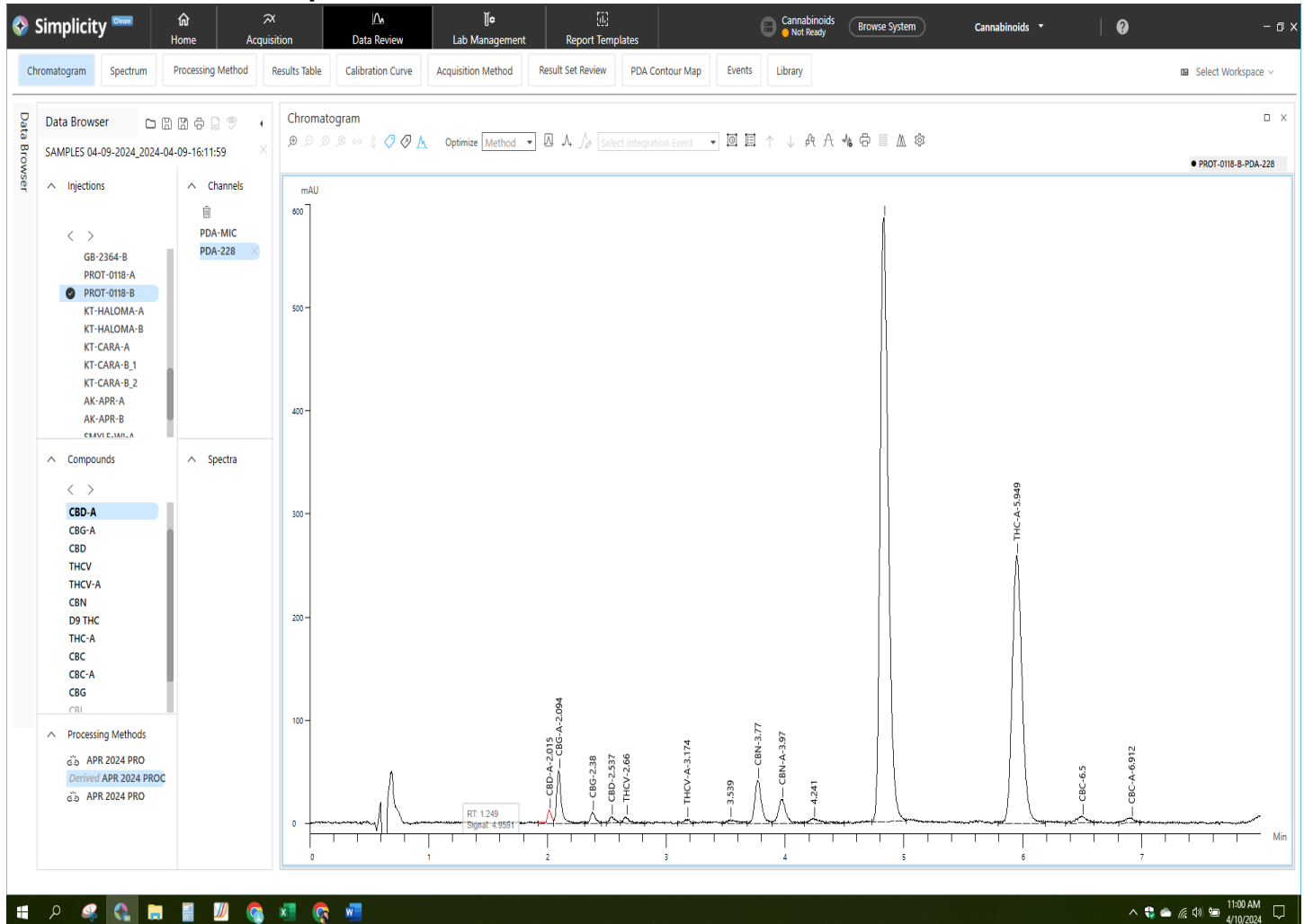
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CHROMATOGRAM Rep B:



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Sample Description: THC Extract

MICROBIALS

Microbial Parameters	Permissible Limit	LOD/LOQ	Results	Status
	CFU/g	CFU/g	CFU/g	
Total Aerobic Bacteria	100	10	ND	PASS
Total Yeast/ Mold	10	10	ND	PASS
BTGN Bacteria (Enterobacteriaceae)	Absent in 1g	1	ND	PASS
Pseudomonas aeruginosa	Absent in 1g	1	ND	PASS
Staphylococcus aureus	Absent in 1g	1	ND	PASS
E. coli	Absent in 1g	1	ND	PASS
Salmonella sp.	Absent in 25g	1	ND	PASS

Method: Total Counts via Petrifilm Plate method. Presence/ Absence assays via Quantitative PCR.

Criteria: Eur. Ph. 5.1.4: Inhalation Use Limits and Eur. Ph. 5.1.8. Table C, Oral Use Limits.

Absence of Salmonella in a 25 g sample, Absence of E. coli, BTGN, Pseudomonas aeruginosa and Staphylococcus aureus in 1g.

LOQ = Limit of Quantitation; 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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Sample Description: THC Extract


HEAVY METALS

Analyte	Permissible Limit	LOQ	Results	Status
	ppm	ppm	ppm	
Arsenic	0.2	0.0001	<LOQ	PASS
Cadmium	0.3	0.0001	<LOQ	PASS
Lead	0.5	0.0001	0.0083	PASS
Mercury	0.1	0.0001	<LOQ	PASS

Method: ICP-MS. Criteria: ICH guideline Q3D (R1) on elemental impurities Table A.2.2: Inhalation Use. 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.

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MYCOTOXINS

Analyte	Permissible Limit	LOQ	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	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

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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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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

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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RESIDUAL SOLVENTS

Analyte	Permissible Limit ppm	LOQ ppm	Result ppm	Status
Methanol	≤ 3000	50	<LOQ	PASS
Isopropanol	≤ 5000	50	<LOQ	PASS
Heptane	≤ 5000	50	<LOQ	PASS

Method: GC-FID. Criteria: ICH guideline Q3C (R6) on impurities: guideline for residual solvents; Class 2 & Class 3 Residual Solvents, **Methanol and Heptane and Isopropanol screen only**. 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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