NORTHERN SCIENTIFIC

Certificate of Analysis

Cannabis Extract

Sample Type:	**Cannabis Distillate**
Client Batch:	**VRD-RAS-238**
Product Name:	**NA**
Sample No':	**7094**
Received Date:	**11/14/2024 12:22PM**
Report Date:	**11/18/2024**
Login Date:	**11/14/2024**
COA Number	**NS_COA_7094**

Reported to: Dymond Concentrates LTD
Attn: Daniel Watt
qa@dymondconcentrates.com

733 Finns Rd.
Kelowna, BC V1X 5B7

CANNABINOID

Analyte	LOQ (%)	Result (%wt/wt)	Result (mg/g)	Analyte	LOQ (%)	Result (%wt/wt)	Result (mg/g)
Cannabidiolic acid (CBDA)	0.10	<0.10	<1.0	Tetrahydrocannabinolic acid (THCA)	0.10	<0.10	<1.0
Cannabidiol (CBD)	0.10	2.65	26.5	Delta-9-tetrahydrocannabinol (D9-THC)	0.10	93.25	932.5
Total CBD	**0.10**	**2.65**	**26.5**	**Total THC**	**0.10**	**93.25**	**932.5**

Cannabinoids are analyzed using a method (SOP#CA005) with HPLC-UV instrument.
Total THC = THC + (THCA *0.877)
Total CBD = CBD + (CBDA* 0.877)
Abbreviations: LOQ = Limit of Quantification

Head of Laboratory, Mohit Mogla

11/18/2024
Date Approved

Northern Scientific Inc

Quality Through Science
Confidential Cannabis Analysis

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Total Terpenes: 3.149%

TERPENE

Analyte	LOQ (%)	Result (%wt/wt)	Result (mg/g)	Analyte	LOQ (%)	Result (%wt/wt)	Result (mg/g)
D-Limonene	0.001	1.485	14.85	alpha-Humulene	0.001	0.007	0.07
Terpinolene	0.001	0.362	3.62	trans-Nerolidol	0.002	0.004	0.04
beta-Pinene	0.001	0.262	2.62	Isopulegol	0.001	0.003	0.03
Geraniol	0.025	0.255	2.55	3-Carene	0.001	<0.001	<0.01
gamma-Terpinene	0.001	0.193	1.93	alpha-Terpinene	0.001	<0.001	<0.01
Linalool	0.002	0.189	1.89	beta-Ocimene	0.002	<0.002	<0.02
beta-Caryophyllene	0.001	0.162	1.62	Guaiol	0.002	<0.002	<0.02
beta-Myrcene	0.002	0.128	1.28	m-Cymene	0.002	<0.002	<0.02
alpha-Pinene	0.001	0.059	0.59	o-Cymene	0.001	<0.001	<0.01
alpha-Bisabolol	0.002	0.029	0.29	p-Cymene	0.001	<0.001	<0.01
Camphene	0.001	0.011	0.11				

Terpenes are analyzed using a method (SOP#CA006) with a Gas Chromatography and Flame Ionization detector.
Abbreviations: LOQ = Limit of Quantification

Lot Number:	BPR-010-D-24-028-BP-002		**Cannabis Class:**	Cannabis extracts	
Product Name:	THC Distillate				
Quantity Released:	11.56 kg		**Packaging Date:**	31-Oct-2024	
Production Dates:	Distillation: 30-Sep-2024				
Packaging Size:	4 x stainless steel bulk airtight containers				
Packaging & Labelling:	☑ Bulk Pack ☐ Packaged Product (White-labelled) ☐ Final Product				
Manufactured at:					
% Total THC:	91.9 %		**% CBD:**	2.70 %	
% THC:	91.9 %		**% Total CBD:**	2.71 %	
Release CoA Report or Lab Sample Number:	McRina Laboratories Report # 11215-1 REV 1				
Results of Analysis (CoA):	☑ Pass ☐ Fail	Specification: MSFP-004.02			
Input Biomass Information	**ESI Tracking #:**	X-24062001	**Supplier Lot #:**	LOT3ZAUM3BXE02	
Biomass Extraction Type:	☑ Supercritical CO_2 Extraction ☐ Other:				
Comments / Remarks:	Batch BPR-010-D-24-028 assigned lot number BPR-010-D-24-028-BP-002. Pesticide analysis was completed on input biomass in which results are attached to this release documentation package.				

This lot was produced and stored in conformance with Health Canada GPP requirements. The following items have been reviewed and found to be in compliance with our Quality Management System:

- ☑ The batch documentation for the production and processing of the product.
- ☑ Deviations documented, assessed, and if necessary, investigated and resolved.
- ☑ Test data reviewed for completeness and accuracy.
- ☑ Critical materials and components used in the manufacturing process were tested and conform to predetermined specifications.
- ☑ Input cannabis biomass has been tested per *Health Canada Mandatory Cannabis Testing for Pesticide Active Ingredients, List and Limits, August 30, 2019*. The CoA has been reviewed and filed.
- ☑ Any observed excursions from specifications have been documented, investigated, and resolved in accordance with SOP.
- ☑ The product is appropriately, packaged, identified, labeled, stored, and reconciled while awaiting release for distribution.

A Certificate of Analysis for this lot has been prepared as attached.

Signed: Rheanne Dekeyser
Digitally signed by Rheanne Dekeyser
Date: 2024.11.04 11:06:48 -06'00'
Head of Quality Assurance

Date: 04-Nov-2024

McRina Laboratories
101, 4101 65A Ave
Leduc, AB T9E 0Z4
780-357-3088
mcrina.com

McRina Laboratories

Test Report

To

Report # 11215-1 REV 1
Date 2024-10-24
Received 2024-10-08
Notes Revised original report to include Aflatoxins results.

THC DISTILLATE; Lot# BPR-010-D-24-028; C04-DIS24.074 (11215-1)

Test	Specification	Test Result	Method	Date
Cannabidivarin (CBDV)	N/A	0.073%	HPLC-UV	2024-10-11
Cannabidiolic Acid (CBDA)	N/A	<LOQ (LOQ 3µg/mL)	HPLC-UV	2024-10-11
Cannabigerolic Acid (CBGA)	N/A	<LOQ (LOQ 3 µg/mL)	HPLC-UV	2024-10-11
Cannabigerol (CBG)	N/A	1.69%	HPLC-UV	2024-10-11
Cannabidiol (CBD)	N/A	2.70%	HPLC-UV	2024-10-11
Cannabinol (CBN)	N/A	1.03%	HPLC-UV	2024-10-11
Tetrahydrocannabinolic Acid (THCA)	N/A	<LOQ (LOQ 1.5 µg/mL)	HPLC-UV	2024-10-11
Delta-9-Tetrahydrocannabinol (Δ9-THC)	N/A	91.9%	HPLC-UV	2024-10-11
Delta-8-Tetrahydrocannabinol (Δ8-THC)	N/A	<LOQ (LOQ 1.5 µg/mL)	HPLC-UV	2024-10-11
Cannabichromene (CBC)	N/A	0.80%	HPLC-UV	2024-10-11
Total CBD	N/A	2.71%	HPLC-UV	2024-10-11
Total THC	N/A	91.9%	HPLC-UV	2024-10-11
Arsenic	<0.2 ppm	<0.004 ppm	ICP-MS	2024-10-10
Cadmium	<0.2 ppm	0.001 ppm	ICP-MS	2024-10-10
Lead	<0.5 ppm	0.013 ppm	ICP-MS	2024-10-10
Mercury	<0.1 ppm	<0.001 ppm	ICP-MS	2024-10-10
Total Plate Count	≤100 CFU/g	<10 CFU/g	USP <61/62>	2024-10-11
Yeast & Mold	≤10 CFU/g	<10 CFU/g	USP <61/62>	2024-10-11
E. coli	Absent/g	Absent/g	USP <61/62>	2024-10-11
Salmonella	Absent/25 g	Absent/25 g	USP <61/62>	2024-10-11
S. aureus	Absent/g	Absent/g	USP <61/62>	2024-10-11
Pseudomonas aeruginosa	Absent/g	Absent/g	USP <61/62>	2024-10-11
Enterobacteriaceae (Bile-tolerant Gram negative bacteria)	Absent/g	Absent/g	USP <61/62>	2024-10-11
Residual Solvents (Class I, II, III)	Meet USP Requirements	Meet USP Requirements	GC-MS & GC-FID	2024-10-09
Aflatoxins (B1) - ADD	≤2 ppb	<2 ppb	LC-MS/MS	2024-10-24
Aflatoxins (B1+B2+G1+G2) - ADD	≤4 ppb	<4 ppb	LC-MS/MS	2024-10-24

Approved by Igor Likhobabin Date 2024-10-24
Igor Likhobabin, QC Manager

McRina Laboratories

McRina Laboratories Inc.
101, 4101 65A Avenuet
Leduc, AB, Canada, T9E 0Z4
Ph: 780-357-3088

Client:
Sample Identification: THC Distillate
Lot Number: BPR-010-D-24-028; C04-DIS24.074
Sample ID_Lab 11215-1
Date of Analysis: 2024-10-10
Analysis Performed by: HR

USP <467> Limits of Residual Solvents

Chemical Classes and Compound(s) common name	Residue Limit mg/kg	RESULT
Class I		
Benzene	2	< MRL
Carbon Tetrachloride	4	< MRL
1,2-Dichloroethane	5	< MRL
1,1-Dichloroethene	8	< MRL
1,1,1-Trichloroethane	1500	< MRL
Class II		
Acetonitrile	410	< MRL
Chlorobenzene	360	< MRL
Chloroform	60	< MRL
Cyclohexane	3880	< MRL
1,2-Dichloroethene	1870	< MRL
1,2-Dimethoxyethane	100	< MRL
N,N-Dimethylacetamide	1090	< MRL
N,N-Dimethylformide	880	< MRL
1,4-Dioxane	380	< MRL
2-Ethoxyethanol	160	< MRL
Ethyleneglycol	620	< MRL
Formamide	220	< MRL
Hexane	290	< MRL
Methanol	3000	< MRL
2-Methoxyethanol	50	< MRL
Methylbutylketone	50	< MRL
Methylcyclohexane	1180	< MRL
Methylene Chloride	600	< MRL
N-methylpyrrolidone	530	< MRL
Nitromethane	50	< MRL
Pyridine	200	< MRL
Sulfolane	160	< MRL
Tetrahydrofuran	720	< MRL
Tetralin	100	< MRL
Toluene	890	< MRL
Trichloroethylene	80	< MRL
Xylene*	2170	< MRL

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Client:
Sample Identification: THC Distillate
Lot Number: BPR-010-D-24-028; C04-DIS24.074
Sample ID_Lab 11215-1
Date of Analysis: 2024-10-10
Analysis Performed by: HR

USP <467> Limits of Residual Solvents

Chemical Classes and Compound(s) common name	Residue Limit	
Class III		
Pentane	5000	< MRL
Methyl acetate	5000	< MRL
1-Propanol	5000	< MRL
Methyl ethyl ketone	5000	< MRL
Isopropyl acetate	5000	< MRL
1-Butanol	5000	< MRL
Methyl isobutyl ketone	5000	< MRL
1-Pentanol	5000	< MRL
Ethanol	5000	< MRL
Acetone	5000	< MRL
IPA	5000	< MRL
Ethyl acetate	5000	< MRL
2-Methyl-1-propanol	5000	< MRL
Propyl acetate	5000	< MRL
Isobutyl acetate	5000	< MRL
Ethyl ether	5000	< MRL
Ethyl formate	5000	< MRL
Tert-butyl-methyl-ether	5000	< MRL
2-Butanol	5000	< MRL
Heptane	5000	< MRL
3-Methyl-1-butanol	5000	< MRL
Butyl acetate	5000	< MRL
DMSO	5000	< MRL
Anisol	5000	< MRL
Acetic acid	5000	< MRL
Formic acid	5000	< MRL

< MRL = less than the maximum residue limit listed in USP <467> Limits of Residual Solvents

Notes:
1) Usually 60% m-xylene, 14%p-xylene, 9% o-xylene with 17% ethyl benzene.

PATHOGENIA

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Sample information

Sample Name	LOT3ZAUM3BXE02	Sample Receiving Date	13-May-2024
Sample ID	SMPT2MMLWLRFLV	Receiving Temperature	23.5°C
Laboratory ID	PAT89631	Analysis Date	17-May-2024
Method Ref.	PAT-AM-024		

Pesticides Dried Cannabis Results Information

Compounds Detected	Results (ppm)	LOQ	HC LOQ	Compliance
No Compounds Detected				

Compounds Not Detected	Results (ppm)	LOQ	HC LOQ	Compliance
Abamectin	ND	0.020	< 0.1	PASS
Acephate	ND	0.020	< 0.02	PASS
Acequinocyl	ND	0.020	< 0.03	PASS
Acetamiprid	ND	0.020	< 0.1	PASS
Aldicarb	ND	0.020	< 1	PASS
Allethrin	ND	0.020	< 0.2	PASS
Azadirachtin	ND	0.020	< 1	PASS
Azoxystrobin	ND	0.010	< 0.02	PASS
Benzovindiflupyr	ND	0.010	< 0.02	PASS
Bifenazate	ND	0.020	< 0.02	PASS
Bifenthrin	ND	0.020	< 1	PASS
Boscalid	ND	0.010	< 0.02	PASS
Buprofezin	ND	0.010	< 0.02	PASS
Carbaryl	ND	0.020	< 0.05	PASS
Carbofuran	ND	0.010	< 0.02	PASS
Chlorantraniliprole	ND	0.010	< 0.02	PASS
Chlorphenapyr	ND	0.050	< 0.05	PASS
Chlorpyrifos	ND	0.010	< 0.04	PASS
Clofentezine	ND	0.010	< 0.02	PASS
Clothianidin	ND	0.020	< 0.05	PASS
Coumaphos	ND	0.010	< 0.02	PASS
Cyantraniliprole	ND	0.010	< 0.02	PASS
Cyfluthrin	ND	0.100	< 0.2	PASS
Cypermethrin	ND	0.020	< 0.3	PASS
Cyprodinil	ND	0.020	< 0.25	PASS
Daminozide	ND	0.050	< 0.1	PASS
Deltamethrin	ND	0.020	< 0.5	PASS
Diazinon	ND	0.010	< 0.02	PASS
Dichlorvos	ND	0.020	< 0.1	PASS
Dimethoate	ND	0.010	< 0.02	PASS
Dimethomorph	ND	0.020	< 0.05	PASS
Dinotefuran	ND	0.020	< 0.1	PASS
Dodemorph	ND	0.020	< 0.05	PASS
Endosulfan sulfate	ND	0.020	< 0.05	PASS
Endosulfan-alpha	ND	0.100	< 0.2	PASS
Endosulfan-beta	ND	0.010	< 0.05	PASS
Ethoprophos	ND	0.010	< 0.02	PASS
Etofenprox	ND	0.010	< 0.05	PASS

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Compounds Not Detected	Results (ppm)	LOQ	HC LOQ	Compliance
Etoxazole	ND	0.010	< 0.02	PASS
Etridiazole	ND	0.010	< 0.03	PASS
Fenoxycarb	ND	0.010	< 0.02	PASS
Fenpyroximate	ND	0.020	< 0.02	PASS
Fensulfothion	ND	0.010	< 0.02	PASS
Fenthion	ND	0.010	< 0.02	PASS
Fenvalerate	ND	0.050	< 0.1	PASS
Fipronil	ND	0.010	< 0.08	PASS
Flonicamid	ND	0.020	< 0.05	PASS
Fludioxonil	ND	0.010	< 0.02	PASS
Fluopyram	ND	0.010	< 0.02	PASS
Hexythiazox	ND	0.010	< 0.01	PASS
Imazalil	ND	0.010	< 0.05	PASS
Imidacloprid	ND	0.010	< 0.02	PASS
Iprodione	ND	0.500	< 1	PASS
Kinoprene	ND	0.050	< 0.5	PASS
Kresoxim-methyl	ND	0.010	< 0.02	PASS
Malathion	ND	0.010	< 0.02	PASS
Metalaxyl	ND	0.010	< 0.02	PASS
Methiocarb	ND	0.010	< 0.02	PASS
Methomyl	ND	0.020	< 0.05	PASS
Methoprene	ND	0.500	< 2	PASS
Mevinphos	ND	0.020	< 0.05	PASS
MGK-264	ND	0.020	< 0.05	PASS
Myclobutanil	ND	0.010	< 0.02	PASS
Naled	ND	0.020	< 0.1	PASS
Novaluron	ND	0.020	< 0.05	PASS
Oxamyl	ND	0.020	< 3	PASS
Paclobutrazol	ND	0.010	< 0.02	PASS
Parathion-methyl	ND	0.020	< 0.05	PASS
Permethrin	ND	0.100	< 0.5	PASS
Phenothrin	ND	0.020	< 0.05	PASS
Phosmet	ND	0.010	< 0.02	PASS
Piperonyl butoxide	ND	0.020	< 0.2	PASS
Pirimicarb	ND	0.010	< 0.02	PASS
Prallethrin	ND	0.020	< 0.05	PASS
Propiconazole	ND	0.010	< 0.1	PASS
Propoxur	ND	0.010	< 0.02	PASS
Pyraclostrobin	ND	0.010	< 0.02	PASS
Pyrethrins	ND	0.025	< 0.05	PASS
Pyridaben	ND	0.020	< 0.05	PASS
Quintozene	ND	0.010	< 0.02	PASS
Resmethrin	ND	0.020	< 0.1	PASS
Spinetoram	ND	0.010	< 0.02	PASS
Spinosad	ND	0.010	< 0.1	PASS
Spirodiclofen	ND	0.020	< 0.25	PASS
Spiromesifen	ND	0.020	< 3	PASS
Spirotetramat	ND	0.020	< 0.02	PASS
Spiroxamine	ND	0.010	< 0.1	PASS
Tebuconazole	ND	0.010	< 0.05	PASS
Tebufenozide	ND	0.010	< 0.02	PASS

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Compounds Not Detected	Results (ppm)	LOQ	HC LOQ	Compliance
Teflubenzuron	ND	0.020	< 0.05	PASS
Tetrachlorvinphos	ND	0.010	< 0.02	PASS
Tetramethrin	ND	0.020	< 0.1	PASS
Thiacloprid	ND	0.010	< 0.02	PASS
Thiamethoxam	ND	0.010	< 0.02	PASS
Thiophanate-methyl	ND	0.020	< 0.05	PASS
Trifloxystrobin	ND	0.010	< 0.02	PASS

Authorized by: Laboratory Manager

Signature:

Details of testing

1. *ppm (w/w): parts per million by weight, MRL: Maximum residue limits, LOQ: Limit of Quantification*
2. *The compounds are ND (not detected) at or above the LOQ*
3. *Health Canada and/or United States MRL are taken from Health Canada & Global MRL Database (where applicable) on the date of COA preparation*
4. *Results only apply to the items tested and to the sample(s) as received.*
5. *This report may not be distributed or reproduced except in full*

This COA can be verified by scanning the QR code

********** This is end of the Certificate of Analysis **********