

HIGH NORTH ID:
00813101
Date: 2025-11-06
Certificate: 1762458988



High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6122
LIC-P4PNJMAC20-2022

Client: Blue Harbour Organics
251 Simpson Ave,
Bowmanville, ON, L1C 2J2

Product: Autumn Sunset
Lot: AS0001-LL
Matrix: Extracts
Sub-matrix: Live Rosin
Sampled: 2025-10-29
Received: 2025-10-31
Temperature on Receipt: 22.0°C

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			80.0668	800.6679
Total CBD [(CBDA x 0.877) + CBD]			0.7684	7.6843
D9-THC	0.1	0.2	61.6057	616.0571
THCA-A	0.1	0.2	21.0503	210.5026
CBGA	0.1	0.2	1.5470	15.4704
CBG	0.1	0.2	0.9270	9.2705
CBDA	0.1	0.2	0.8762	8.7620
CBCA	0.1	0.2	0.6689	6.6888
THCV	0.1	0.2	0.4948	4.9482
CBC	0.1	0.2	0.4635	4.6352
D8-THC	0.1	0.2	ND	ND
CBCVA	0.1	0.2	ND	ND
CBN	0.1	0.2	ND	ND
THCVA	0.1	0.2	ND	ND
CBCV	0.1	0.2	ND	ND
CBD	0.1	0.2	ND	ND
CBDV	0.1	0.2	ND	ND
CBDVA	0.1	0.2	ND	ND
Total of all quantified cannabinoids:			87.6334	876.3348
Method: LAB-MTD-020 (ISO 17025:2017 Accredited)				

Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-(+)-Limonene	0.0007	0.025	3.0360
Trans-Caryophyllene	0.0008	0.025	1.1435
Farnesene*	0.0055	0.050	0.7547
Alpha-Pinene	0.0007	0.025	0.6139
Ocimene	0.0005	0.025	0.5884
Linalool	0.0007	0.025	0.4390
Alpha-Humulene	0.0005	0.025	0.3538
Beta-Myrcene	0.0005	0.025	0.3166

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:

ISO 17025:2017
Accredited Laboratory





Terpene Analysis	LOD (%)	LOQ (%)	wt%
Guaiol	0.0005	0.025	0.2850
Alpha-Bisabolol	0.0008	0.025	0.2649
(R)-Endo-(+)-Fenchyl Alcohol	0.0010	0.025	0.2461
Beta-Pinene	0.0008	0.025	0.2429
Alpha-Terpineol	0.0008	0.025	0.2005
Camphene	0.0017	0.025	0.0916
Terpinolene	0.0008	0.025	0.0409
Borneol	0.0007	0.025	BLQ
Squalene	0.0029	0.050	ND
Phytol*	0.0018	0.050	ND
Nootkatone	0.0018	0.025	ND
Farnesol*	0.0016	0.050	ND
Phytane	0.0009	0.025	ND
(+)-Cedrol	0.0006	0.025	ND
Caryophyllene oxide	0.0007	0.025	ND
trans-Nerolidol	0.0006	0.025	ND
cis-Nerolidol	0.0015	0.025	ND
Valencene	0.0005	0.025	ND
Eugenol	0.0023	0.025	ND
Alpha-Cedrene	0.0006	0.025	ND
Geranyl acetate	0.0009	0.025	ND
Carvacrol	0.0009	0.025	ND
Thymol	0.0012	0.025	ND
d-Valerolactam (2-piperidone)	0.0012	0.025	ND
(-)-Piperitone	0.0017	0.025	ND
Isobornyl Acetate	0.0018	0.025	ND
Carvone	0.0007	0.025	ND
Pulegone	0.0007	0.025	ND
Verbenone	0.0007	0.025	ND
Citral*	0.0021	0.025	ND
Geraniol	0.0007	0.025	ND
Safranal	0.0004	0.025	ND
Nerol	0.0010	0.025	ND
Citronellol	0.0008	0.025	ND
Octyl Acetate	0.0009	0.025	ND
Terpinen-4-ol	0.0010	0.025	ND
Camphor	0.0008	0.025	ND
Isoborneol	0.0006	0.025	ND
Menthol (Hexahydrothymol)	0.0010	0.025	ND
Menthone*	0.0007	0.025	ND
Isopulegol	0.0007	0.025	ND
Alpha-Thujone	0.0005	0.025	ND
Fenchone	0.0008	0.025	ND
Sabinene Hydrate	0.0010	0.025	ND

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Authorized by:

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Terpene Analysis	LOD (%)	LOQ (%)	wt%
Gamma-Terpinene	0.0007	0.025	ND
Eucalyptol	0.0006	0.025	ND
Cymene*	0.0006	0.025	ND
Alpha-Terpinene	0.0004	0.025	ND
Alpha-Phellandrene	0.0010	0.025	ND
(1S)-3-Carene	0.0009	0.025	ND
Sabinene	0.0009	0.025	ND

Total of all quantified terpenes: 8.618

Method: LAB-MTD-044 (ISO 17025:2017 Accredited)

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Authorized by:

ISO 17025:2017
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HIGH NORTH ID:
00813100
Date: 2025-11-06
Certificate: 1762470861



High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6122
LIC-P4PNJMAC20-2022

Client: Blue Harbour Organics
251 Simpson Ave,
Bowmanville, ON, L1C 2J2

Product: Autumn Sunset
Lot: AS0001-EX
Matrix: Extracts
Sub-matrix: Extract
Sampled: 2025-10-29
Received: 2025-10-31
Temperature on Receipt: 22.0°C

Certificate of Analysis

Mycotoxin Analysis	LOD (ppb)	LOQ (ppb)	RL (ppb)	Result (ppb)	Status
Aflatoxin-B1	0.4000	2	2	ND	PASS
Aflatoxin-B2	0.4000	2		ND	
Aflatoxin-G1	0.3000	2		ND	
Aflatoxin-G2	0.5000	2		ND	

Sum of Aflatoxins:

Method: LAB-MTD-046 (ISO 17025:2017 Accredited)

Ochratoxin-A	1.7000	20	20	ND	PASS
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Method: LAB-MTD-046 (ISO 17025:2017 Accredited)

Microbial Analysis	LOD (CFU/g)	RL (CFU/g)	Result (CFU/g)	Status
Total Yeast and Mold Count	10	20	< 10	PASS
Total Aerobic Count	10	200	< 10	PASS
S.aureus/P.aeruginosa			Absent in 1g	PASS
Bile-Tolerant Gram-Negative			Absent in 1g	PASS

Method: MIC-MTD-001 (ISO 17025:2017 Accredited), MIC-MTD-012 (ISO 17025:2017 Accredited)

Heavy Metals Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Arsenic	0.009	0.20	0.2	ND	PASS
Cadmium	0.004	0.05	0.3	ND	PASS
Lead	0.023	0.43	0.5	ND	PASS
Mercury	0.007	0.05	0.1	ND	PASS

Method: LAB-MTD-050 (ISO 17025:2017 Accredited)

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Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:

ISO 17025:2017
Accredited Laboratory



Client information**COA information**

COA number : **251014_176810_PAR50363**
COA Date : **14-Oct-2025**
Analysis Request ID : **PAR50363**

Sample information

Sample Name : **Autumn Sunset** Sample Receiving Date : **07-Oct-2025**
Sample ID : **as-250722** Receiving Temperature : **21.6°C**
Laboratory ID : **PAT145537** Analysis Date : **09-Oct-2025**
Method Ref. : **PAT-AM-024**

Pesticides Fresh Cannabis Results Information

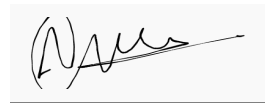
Compounds Detected	Results (ppm)
No Compounds Detected	

Compounds Not Detected	Results (ppm)	LOQ (ppm)
Abamectin	ND	0.02 ppm
Acephate	ND	0.02 ppm
Acequinocyl	ND	0.02 ppm
Acetamiprid	ND	0.02 ppm
Aldicarb	ND	0.02 ppm
Allethrin	ND	0.02 ppm
Azadirachtin	ND	0.02 ppm
Azoxystrobin	ND	0.01 ppm
Benzovindiflupyr	ND	0.01 ppm
Bifenazate	ND	0.02 ppm
Bifenthrin	ND	0.02 ppm
Boscalid	ND	0.01 ppm
Buprofezin	ND	0.01 ppm
Carbaryl	ND	0.02 ppm
Carbofuran	ND	0.01 ppm
Chlorantraniliprole	ND	0.01 ppm
Chlorphenapyr	ND	0.05 ppm
Chlorpyrifos	ND	0.01 ppm
Clofentezine	ND	0.01 ppm
Clothianidin	ND	0.02 ppm
Coumaphos	ND	0.01 ppm
Cyantraniliprole	ND	0.01 ppm
Cyfluthrin	ND	0.1 ppm
Cypermethrin	ND	0.02 ppm
Cyprodinil	ND	0.02 ppm
Daminozide	ND	0.05 ppm
Deltamethrin	ND	0.02 ppm
Diazinon	ND	0.01 ppm

Compounds Not Detected	Results (ppm)	LOQ (ppm)
Dichlorvos	ND	0.02 ppm
Dimethoate	ND	0.01 ppm
Dimethomorph	ND	0.02 ppm
Dinotefuran	ND	0.02 ppm
Dodemorph	ND	0.02 ppm
Endosulfan sulfate	ND	0.02 ppm
Endosulfan-alpha	ND	0.1 ppm
Endosulfan-beta	ND	0.01 ppm
Ethoprophos	ND	0.01 ppm
Etofenprox	ND	0.01 ppm
Etoxazole	ND	0.01 ppm
Etridiazole	ND	0.01 ppm
Fenoxycarb	ND	0.01 ppm
Fenpyroximate	ND	0.02 ppm
Fensulfothion	ND	0.01 ppm
Fenthion	ND	0.01 ppm
Fenvalerate	ND	0.05 ppm
Fipronil	ND	0.01 ppm
Flonicamid	ND	0.02 ppm
Fludioxonil	ND	0.01 ppm
Fluopyram	ND	0.01 ppm
Hexythiazox	ND	0.01 ppm
Imazalil	ND	0.01 ppm
Imidacloprid	ND	0.01 ppm
Iprodione	ND	0.5 ppm
Kinoprene	ND	0.05 ppm
Kresoxim-methyl	ND	0.01 ppm
Malathion	ND	0.01 ppm
Metalaxyl	ND	0.01 ppm
Methiocarb	ND	0.01 ppm
Methomyl	ND	0.02 ppm
Methoprene	ND	0.5 ppm
Mevinphos	ND	0.02 ppm
MGK-264	ND	0.02 ppm
Myclobutanil	ND	0.01 ppm
Naled	ND	0.02 ppm
Novaluron	ND	0.02 ppm
Oxamyl	ND	0.02 ppm
Paclobutrazol	ND	0.01 ppm
Parathion-methyl	ND	0.02 ppm
Permethrin	ND	0.1 ppm
Phenothrin	ND	0.02 ppm
Phosmet	ND	0.01 ppm
Piperonyl butoxide	ND	0.02 ppm
Pirimicarb	ND	0.01 ppm
Prallethrin	ND	0.02 ppm
Propiconazole	ND	0.01 ppm
Propoxur	ND	0.01 ppm
Pyraclostrobin	ND	0.01 ppm
Pyrethrins	ND	0.025 ppm
Pyridaben	ND	0.02 ppm

Compounds Not Detected	Results (ppm)	LOQ (ppm)
Quintozene	ND	0.01 ppm
Resmethrin	ND	0.02 ppm
Spinetoram	ND	0.01 ppm
Spinosad	ND	0.01 ppm
Spirodiclofen	ND	0.02 ppm
Spiromesifen	ND	0.02 ppm
Spirotetramat	ND	0.02 ppm
Spiroxamine	ND	0.01 ppm
Tebuconazole	ND	0.01 ppm
Tebufenozide	ND	0.01 ppm
Teflubenzuron	ND	0.02 ppm
Tetrachlorvinphos	ND	0.01 ppm
Tetramethrin	ND	0.02 ppm
Thiacloprid	ND	0.01 ppm
Thiamethoxam	ND	0.01 ppm
Thiophanate-methyl	ND	0.02 ppm
Trifloxystrobin	ND	0.01 ppm



 Reviewed by : **Quality Responsible**
 Review date : **14-Oct-2025**


 Authorized by : **Laboratory Manager**

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. Results are reported as found. Unless otherwise specified, measurement uncertainty has not been factored in when determining compliance with the reference standard.
6. 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 *****