

HIGH NORTH ID:  
00833763  
Date: 2025-12-01  
Certificate: 1764631719



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: Laranjazz  
Lot: LZ0001-EX  
Matrix: Extracts  
Sub-matrix: Rosin  
Sampled: 2025-11-24  
Received: 2025-11-25  
Temperature on Receipt: 22.0°C

## Certificate of Analysis

<b>Cannabinoid Analysis</b>	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			68.7632	687.6322
Total CBD [(CBDA x 0.877) + CBD]			0.2999	2.9996
THCA-A	0.1	0.2	77.6251	776.2512
CBGA	0.1	0.2	1.8300	18.2995
THCVA	0.1	0.2	0.9469	9.4686
CBCA	0.1	0.2	0.7401	7.4010
D9-THC	0.1	0.2	0.6860	6.8599
CBG	0.1	0.2	0.4928	4.9275
CBDA	0.1	0.2	0.3420	3.4203
CBC	0.1	0.2	ND	ND
D8-THC	0.1	0.2	ND	ND
CBCVA	0.1	0.2	ND	ND
CBN	0.1	0.2	ND	ND
CBCV	0.1	0.2	ND	ND
THCV	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
<b>Total of all quantified cannabinoids:</b>			82.6629	826.6280
<b>Method:</b> LAB-MTD-020 (ISO 17025:2017 Accredited)				

<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
Trans-Caryophyllene	0.0008	0.025	2.7860
Farnesene*	0.0055	0.050	1.7298
(R)-(+)-Limonene	0.0007	0.025	1.6477
Linalool	0.0007	0.025	0.7170
Alpha-Humulene	0.0005	0.025	0.6825
Alpha-Bisabolol	0.0008	0.025	0.4361
Beta-Pinene	0.0008	0.025	0.2245
Alpha-Pinene	0.0007	0.025	0.1399

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:

  
Ryan Lee  
Quality Control and Release

ISO 17025:2017  
Accredited Laboratory





Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-Endo-(+)-Fenchyl Alcohol	0.0010	0.025	0.1207
trans-Nerolidol	0.0006	0.025	0.1118
Alpha-Terpeneol	0.0008	0.025	0.1050
Caryophyllene oxide	0.0007	0.025	0.0943
Beta-Myrcene	0.0005	0.025	0.0566
Camphene	0.0017	0.025	0.0423
Terpinolene	0.0008	0.025	BLQ
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
Guaiol	0.0005	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
Gamma-Terpinene	0.0007	0.025	ND

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<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
Eucalyptol	0.0006	0.025	ND
Cymene*	0.0006	0.025	ND
Ocimene	0.0005	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:** 8.894

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

The SCC Accreditation Symbol is an official symbol of Standards Council of Canada, used under licence.

Information is accurate unless otherwise stated. The results of this report are reflective only to material and product analyzed as received. This report shall not be reproduced, without written approval from High North Laboratories. Test Results are confidential unless explicitly waived otherwise.

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High North Inc.  
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Client: Blue Harbour Organics  
251 Simpson Ave,  
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Product: Laranjazz  
Lot: LZ0001-EX  
Matrix: Extracts  
Sub-matrix: Rosin  
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Temperature on Receipt: 22.0°C

## Certificate of Analysis

<b>Mycotoxin Analysis</b>	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)

<b>Microbial Analysis</b>	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)

<b>Heavy Metals Analysis</b>	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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**Client information**
**COA information**

 COA number : **251105\_180249\_PAR51458**  
 COA Date : **05-Nov-2025**  
 Analysis Request ID : **PAR51458**
**Sample information**

Sample Name	: Laranjaz GH	Sample Receiving Date	: 30-Oct-2025
Sample ID	: LJ GH Larenjaz	Receiving Temperature	: 4.3°C
Laboratory ID	: PAT148565	Analysis Date	: 05-Nov-2025
Method Ref.	: PAT-AM-024		

**Pesticides Fresh Cannabis Results Information**

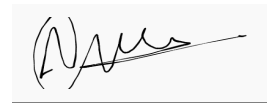
Compounds Detected	Results (ppm)
No Compounds Detected	

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 : **05-Nov-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 \*\*\*\*\*