

HIGH NORTH ID:
00326721
Date: 2023-04-24
Certificate: 1682364782



High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6119
LIC-P4PNJMAC20-2022

Client:	North 40 Cannabis PO Box 2684, Nipawin, SK, S0E 1E0	Strain:	RP
Name:	Gord Nichol 780-907-9220 gord@north40cannabis.com	Lot:	RPB214R7
		Matrix:	Flower
		Sub-matrix:	Dried Flower
		Sampled:	2023-04-14
		Received:	2023-04-18

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			24.950	249.495
Total CBD [(CBDA x 0.877) + CBD]			0.163	1.634
THCA-A	0.0090	0.06	27.936	279.36
CBGA	0.0041	0.06	1.034	10.337
D9-THC	0.0093	0.06	0.45	4.496
CBG	0.0094	0.06	0.233	2.326
CBDA	0.0100	0.06	0.186	1.863
CBC	0.0060	0.06	ND	ND
D8-THC	0.0137	0.06	ND	ND
CBN	0.0067	0.06	ND	ND
THCV	0.0093	0.06	ND	ND
CBD	0.0069	0.06	ND	ND
CBDV	0.0090	0.06	ND	ND
Total of all quantified cannabinoids:			29.838	298.382

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Farnesene*	0.0029	0.010	0.484
(R)-(+)-Limonene	0.0006	0.005	0.443
Trans-Caryophyllene	0.0011	0.005	0.412
Linalool	0.0006	0.005	0.381
Beta-Myrcene	0.0004	0.005	0.255
Alpha-Humulene	0.0002	0.005	0.132
Alpha-Terpeneol	0.0007	0.005	0.118
Alpha-Bisabolol	0.0011	0.005	0.112
Beta-Pinene	0.0004	0.005	0.084
(R)-Endo-(+)-Fenchyl Alcohol	0.0005	0.005	0.077
Alpha-Pinene	0.0002	0.005	0.056

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:



Terpene Analysis	LOD (%)	LOQ (%)	wt%
trans-Nerolidol	0.0005	0.005	0.03
Caryophyllene oxide	0.0009	0.005	0.017
Camphene	0.0009	0.005	0.016
Borneol	0.0005	0.005	0.01
Terpinolene	0.0005	0.005	0.006
Octyl Acetate	0.0005	0.005	BLQ
Fenchone	0.0003	0.005	BLQ
Sabinene Hydrate	0.0006	0.005	BLQ
Gamma-Terpinene	0.0002	0.005	BLQ
Squalene	0.0015	0.005	ND
Phytol*	0.0030	0.010	ND
Nootkatone	0.0009	0.005	ND
Farnesol*	0.0032	0.010	ND
Phytane	0.0006	0.005	ND
(+)-Cedrol	0.0004	0.005	ND
Guaiol	0.0013	0.005	ND
cis-Nerolidol	0.0012	0.005	ND
Valencene	0.0006	0.005	ND
Eugenol	0.0010	0.005	ND
Alpha-Cedrene	0.0004	0.005	ND
Geranyl acetate	0.0007	0.005	ND
Carvacrol	0.0005	0.005	ND
Thymol	0.0006	0.005	ND
d-Valerolactam (2-piperidone)	0.0015	0.005	ND
(-)-Piperitone	0.0012	0.005	ND
Isobornyl Acetate	0.0005	0.005	ND
Carvone	0.0006	0.005	ND
Pulegone	0.0006	0.005	ND
Verbenone	0.0006	0.005	ND
Citral*	0.0015	0.005	ND
Geraniol	0.0005	0.005	ND
Safranal	0.0004	0.005	ND
Nerol	0.0007	0.005	ND
Citronellol	0.0008	0.005	ND
Terpinen-4-ol	0.0017	0.005	ND
Camphor	0.0005	0.005	ND
Isoborneol	0.0005	0.005	ND
Menthol (Hexahydrothymol)	0.0013	0.005	ND
Menthone*	0.0015	0.005	ND
Isopulegol	0.0010	0.005	ND
Alpha-Thujone	0.0010	0.005	ND
Eucalyptol	0.0011	0.005	ND
Cymene*	0.0004	0.005	ND

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Authorized by:

Kristiana
Kristesh Sularia
QA Specialist

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Ocimene	0.0017	0.005	ND
Alpha-Terpinene	0.0004	0.005	ND
Alpha-Phellandrene	0.0010	0.005	ND
(1S)-3-Carene	0.0009	0.005	ND
Sabinene	0.0003	0.005	ND
Total of all quantified terpenes:			2.633

Moisture Analysis 9.67%

Mycotoxin Analysis	LOD (ppb)	LOQ (ppb)	RL (ppb)	Result (ppb)	Status
Aflatoxin-B1	1.0	2	2	ND	PASS
Aflatoxin-B2	0.9	2		ND	PASS
Aflatoxin-G1	0.7	2		ND	PASS
Aflatoxin-G2	1.0	2		ND	PASS
Sum of Aflatoxins:			4	0	PASS
Ochratoxin-A	8.7	20	20	ND	PASS

Microbial Analysis	LOD (CFU/g)	RL (CFU/g)	Result (CFU/g)	Status
Total Aerobic Count	12	500,000	209	PASS
Total Yeast and Mold Count	1.8	50,000	ND	PASS
Bile-Tolerant Gram-Negative	5	10,000	2,379	PASS
Salmonella			Absent in 10g	PASS
E.coli			Absent in 10g	PASS

Heavy Metals Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Arsenic	0.034	0.200	0.2	ND	PASS
Cadmium	0.016	0.058	0.3	ND	PASS
Lead	0.014	0.493	0.5	ND	PASS
Mercury	0.009	0.061	0.1	ND	PASS

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