HIGH NORTH ID:
00316118
Date: 2023-03-24
Certificate: 1679672468

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

Client:	Roxton Air Inc. 1160 chemin Patenaude, Roxton Pond, QC, J0E 1Z0	Strain:	Frosted Cookies
		Lot:	010
		Matrix:	Flower
Name:	David Pouliot 4189525559 info@roxtonair.com	Sub-matrix:	Dried Flower
		Sampled:	2023-03-17
		Received:	2023-03-20

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			27.111	271.107
Total CBD [(CBDA x 0.877) + CBD]			0.083	0.834
THCA-A	0.0090	0.06	29.931	299.31
CBGA	0.0041	0.06	1.026	10.264
D9-THC	0.0093	0.06	0.861	8.612
CBG	0.0094	0.06	0.184	1.839
CBDA	0.0100	0.06	0.095	0.951
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:			32.098	320.976

Moisture Analysis	12.95%

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:

Kintesh Sutaria
QA Specialist

Details of Testing

Cannabinoid Analysis

LAB-MTD-020: Determination of 11 Cannabinoids in Cannabis Flower (LOQ 0.06%), Fresh Flower (LOQ 0.015%), Oil (LOQ 0.03%) and Concentrates (LOQ 0.6%) by HPLC and UHPLC
LAB-MTD-021: Determination of Cannabinoids of Individually Isolated Sample by HPLC/UHPLC
LAB-MTD-023: Determination of 11 Cannabinoids in Cannabis Tablets and Granules (LOQ 0.025%) by HPLC/UHPLC
LAB-MTD-030: Determination of 11 Cannabinoids in Cannabis Topicals (LOQ 0.005%) by HPLC/UHPLC
LAB-MTD-039: Determination of 5 Cannabinoids in Cannabis Edibles; Liquid Edibles (LOQ 0.0002%) and Solid Edibles (LOQ 0.005%) by UHPLC

Terpene Analysis

LAB-MTD-044: Determination of Terpene Content in Cannabis Dried Flower, Fresh Flower and Extract by GC-MS

Pesticide Analysis

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS
LAB-MTD-040: Determination of EP Pesticide Residues in Cannabis Oil and Related Products by GC-MS/MS
LAB-MTD-041: Determination of EP Pesticide Residues in Cannabis Flower and Related Products by GC-MS/MS
LAB-MTD-046: Determination of Health Canada Pesticide Residues and Toxins in Cannabis Oil and Related Products by LC-MS/MS

Mycotoxin Analysis

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS
LAB-MTD-029: Determination of Toxins in Tablet Samples by LC-MS/MS
LAB-MTD-037: Determination of Mycotoxins in Topical/Cream Samples by LC-MS/MS

Heavy Metal Analysis

LAB-MTD-050: Multi-Element Analysis of Cannabis Dried Flower, Fresh Flower, Extracts, Rolling Papers, and Related Products by ICP-MS

Residual Solvents Analysis

LAB-MTD-036: Determination of Residual Solvents in Cannabis Oil by GC-MS
LAB-MTD-028: Determination of Residual Solvents in Tablet Samples by GC-MS
LAB-MTD-034: Determination of Propane and Butane in Cannabis Oil by GC-MS
LAB-MTD-038: Determination of Toluene in Cannabis Isolate by GC-MS

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:

Kintesh Sutaria
QA Specialist

Details of Testing

Microbial Analysis

MIC-MTD-001: Microbial Analysis of Cannabis Flower and Oil by qPCR
MIC-MTD-006: Determination of Viruses in Cannabis via qPCR and ELISA
MIC-MTD-007: Microbial Analysis of Cannabis by Culture Techniques
MIC-MTD-009: Cannabis Gender Determination by qPCR

Moisture Analysis

LAB-MTD-017: Determination of Moisture Content in Cannabis Flower
LAB-MTD-031: Water Activity Meter Setup and Operation

Sample Appearance and Foreign Matter

LAB-MTD-022: Sample Appearance and Detection of Foreign Matter Content in Cannabis Samples

Total Ash Analysis

LAB-MTD-043: Total Ash by Muffle Furnace in Cannabis Products

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:

Kintesh Sutaria
QA Specialist

Date : April 27, 2023

Certificate of Analysis – GC Profiling (Main Terpenes)

Sample identification

Internal code : 23D21-POU01
Customer identification : Frosted Cookies lot# L010
Type : Plant material
Source : *Cannabis sativa*
Customer : Roxton Air Inc.

Analysis

Method: Extraction of plant material with pentane, and addition of a methyl octanoate internal standard for quantitation. Application of a correction factor[1]. Analysis with PC-MAT-004 - Terpenes and volatiles profiling by response factor (in French); identifications validated by GC-MS.
Analyst : Alexis St-Gelais, Ph. D., Chimiste 2013-174
Analysis date : April 27, 2023

Checked and approved by :

Alexis St-Gelais, Ph. D., Chimiste 2013-174

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia. This report is digitally signed, it is only considered valid if the digital signature is intact. The results only describe the samples that were submitted to the assays.

Reference

(1) Cachet, T.; Brevard, H.; Chaintreau, A.; Demyttenaere, J.; French, L.; Gassenmeier, K.; Joulain, D.; Koenig, T.; Leijs, H.; Liddle, P.; et al. IOFI Recommended Practice for the Use of Predicted Relative-Response Factors for the Rapid Quantification of Volatile Flavouring *Compounds by GC-FID. Flavour Fragr. J. 2016, 31 (3), 191–194.*

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PHYSICOCHEMICAL DATA

Moisture content: 17.1% (method PC-MAT-024)

Anhydrous (dry) concentration is reported by taking into account the loss of mass of the plant dried at 105°C for several hours, giving results that are independent of the sample's residual moisture.

'As is' concentration stands for the directly measured concentration in the sample without correction for its moisture content.

ANALYSIS SUMMARY

Identification	Anhydrous (mg/g)	As is (mg/g)	Classe
Hexanol	0.09	0.08	Aliphatic alcohol
Hashishene	tr	tr	Monoterpene
α-Thujene	tr	tr	Monoterpene
α-Pinene	0.23	0.19	Monoterpene
Camphene	0.07	0.06	Monoterpene
α-Fenchene	tr	tr	Monoterpene
Sabinene	0.01	0.01	Monoterpene
β-Pinene	0.51	0.42	Monoterpene
Myrcene	9.76	8.09	Monoterpene
α-Phellandrene	tr	tr	Monoterpene
α-Terpinene	tr	tr	Monoterpene
para-Cymene	tr	tr	Monoterpene
β-Phellandrene	0.06	0.05	Monoterpene
1,8-Cineole	0.01	0.01	Monoterpenic ether
Limonene	2.41	2.00	Monoterpene
(*Z*)-β-Ocimene	0.01	0.01	Monoterpene
(*E*)-β-Ocimene	0.52	0.43	Monoterpene
γ-Terpinene	0.01	0.01	Monoterpene
cis-Sabinene hydrate	0.01	0.01	Monoterpenic alcohol
Octanol	0.01	tr	Aliphatic alcohol
Fenchone	0.05	0.04	Monoterpenic ketone
Terpinolene	0.03	0.03	Monoterpene
trans-Sabinene hydrate	0.01	tr	Monoterpenic alcohol
Linalool	1.53	1.27	Monoterpenic alcohol
endo-Fenchol	0.25	0.21	Monoterpenic alcohol
trans-Pinene hydrate	0.18	0.15	Monoterpenic alcohol
cis-Pinene hydrate	0.03	0.02	Monoterpenic alcohol
Camphene hydrate	0.01	0.01	Monoterpenic alcohol
Ipsdienol	0.05	0.04	Monoterpenic alcohol
Borneol	0.08	0.07	Monoterpenic alcohol
Terpinen-4-ol	0.01	0.01	Monoterpenic alcohol
α-Terpineol	0.26	0.22	Monoterpenic alcohol
Hexyl butyrate	0.01	0.01	Aliphatic ester

Citronellol	tr	tr	Monoterpenic alcohol
(4*Z*)-Decenol	0.02	0.01	Aliphatic alcohol
Geraniol	0.01	0.01	Monoterpenic alcohol
Decanol	0.01	0.01	Aliphatic alcohol
α-Cubebene	0.02	0.01	Sesquiterpene
α-Ylangene	0.05	0.04	Sesquiterpene
Unknown	0.17	0.14	Sesquiterpene
Hexyl hexanoate	0.24	0.20	Aliphatic ester
β-Caryophyllene	6.99	5.79	Sesquiterpene
α-Santalene	0.01	0.01	Sesquiterpene
γ-Elemene	0.67	0.55	Sesquiterpene
trans-α-Bergamotene	0.11	0.09	Sesquiterpene
α-Guaiene	[0.11]	[0.09]	Sesquiterpene
α-Humulene	1.85	1.53	Sesquiterpene
allo-Aromadendrene	0.01	0.01	Sesquiterpene
(*E*)-β-Farnesene	0.13	0.11	Sesquiterpene
Unknown	0.18	0.15	Sesquiterpene
β-Selinene	0.51	0.42	Sesquiterpene
Valencene	0.06	0.05	Sesquiterpene
α-Selinene	0.59	0.49	Sesquiterpene
δ-Guaiene	0.11	0.09	Sesquiterpene
β-Bisabolene	0.15	0.12	Sesquiterpene
(3*E*,6*E*)-α-Farnesene	0.26	0.22	Sesquiterpene
Eremophila-1(10),7(11)-diene	0.55	0.46	Sesquiterpene
Spirovetiva-1(10),7(11)-diene	0.22	0.18	Sesquiterpene
Selina-4(15),7(11)-diene	2.41	2.00	Sesquiterpene
Selina-4,7(11)-diene?	0.81	0.67	Sesquiterpene
Selina-3,7(11)-diene	3.39	2.82	Sesquiterpene
(*E*)-α-Bisabolene	0.33	0.27	Sesquiterpene
Germacrene B	1.36	1.13	Sesquiterpene
Eudesma-5,7(11)-diene	0.22	0.18	Sesquiterpene
(*E*)-Nerolidol	0.03	0.03	Sesquiterpenic alcohol
Caryophyllene oxide	0.12	0.10	Sesquiterpenic ether
Guaiol	tr	tr	Sesquiterpenic alcohol
Humulene epoxide II	0.04	0.03	Sesquiterpenic ether
10-epi-γ-Eudesmol	0.01	0.01	Sesquiterpenic alcohol
Selin-6-en-4α-ol isomer	0.10	0.08	Sesquiterpenic alcohol
Selin-6-en-4α-ol	0.03	0.03	Sesquiterpenic alcohol
γ-Eudesmol	0.04	0.04	Sesquiterpenic alcohol
β-Eudesmol	0.04	0.03	Sesquiterpenic alcohol
α-Eudesmol	0.13	0.11	Sesquiterpenic alcohol
Bulnesol	0.01	0.01	Sesquiterpenic alcohol
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	0.02	0.02	Sesquiterpenic alcohol
α-Bisabolol	0.70	0.58	Sesquiterpenic alcohol
Juniper camphor	0.27	0.23	Sesquiterpenic alcohol
Aromadendrane-4,10-diol	0.04	0.04	Sesquiterpenic alcohol
(2*E*,6*E*)-Farnesol	0.03	0.02	Sesquiterpenic alcohol
Cryptomeridiol	0.01	0.01	Sesquiterpenic alcohol
meta-Camphorene	0.03	0.02	Diterpene
Phytol	0.07	0.06	Diterpenic alcohol
Consolidated total	**39.38 mg/g**	**32.66 mg/g**	

*: Individual compounds concentration could not be found due to overlapping coelutions on columns considered

[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total
tr: < 0.01 mg/g

Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).
Unknown compounds are expressed in equivalents of internal standard without correction.

About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

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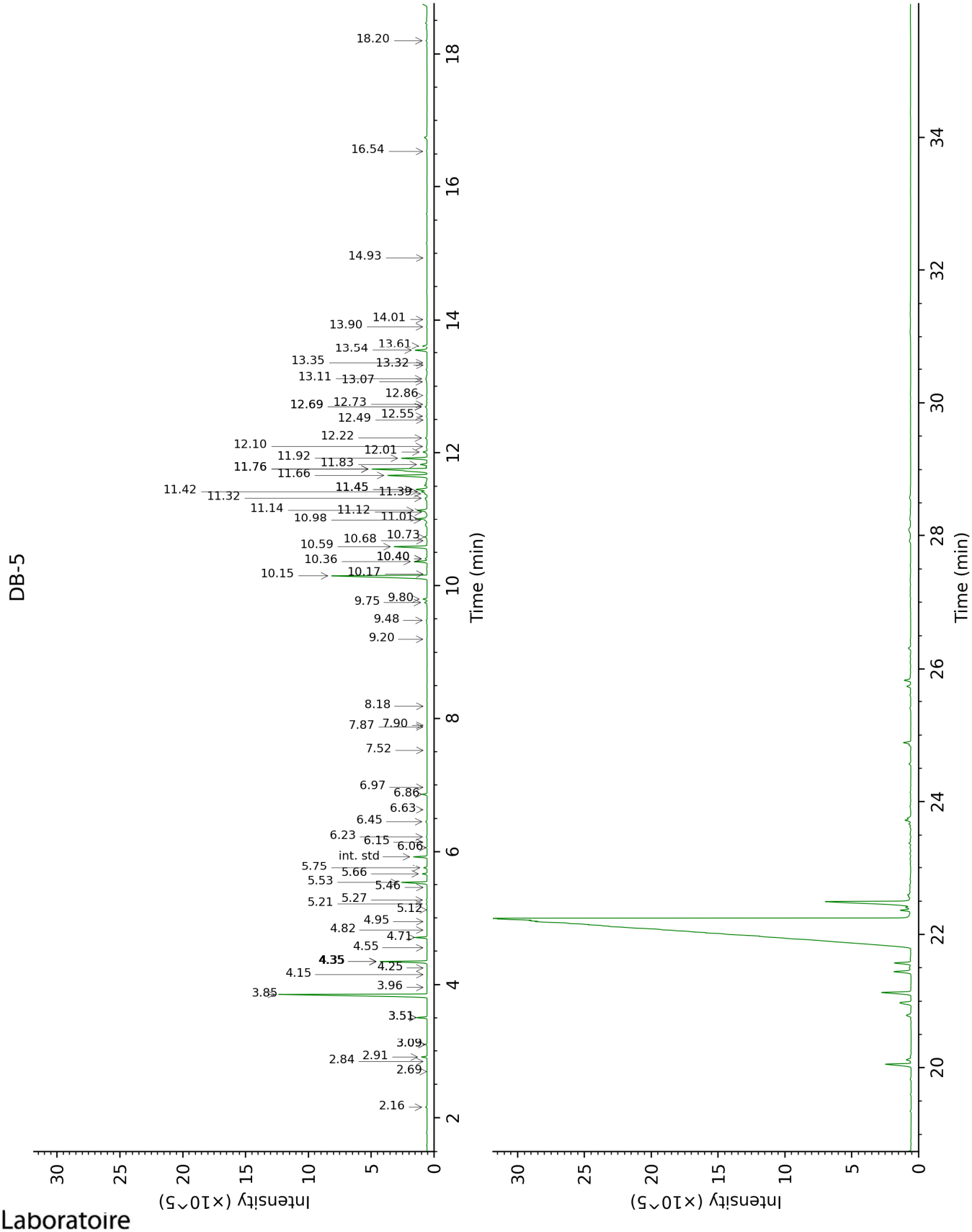

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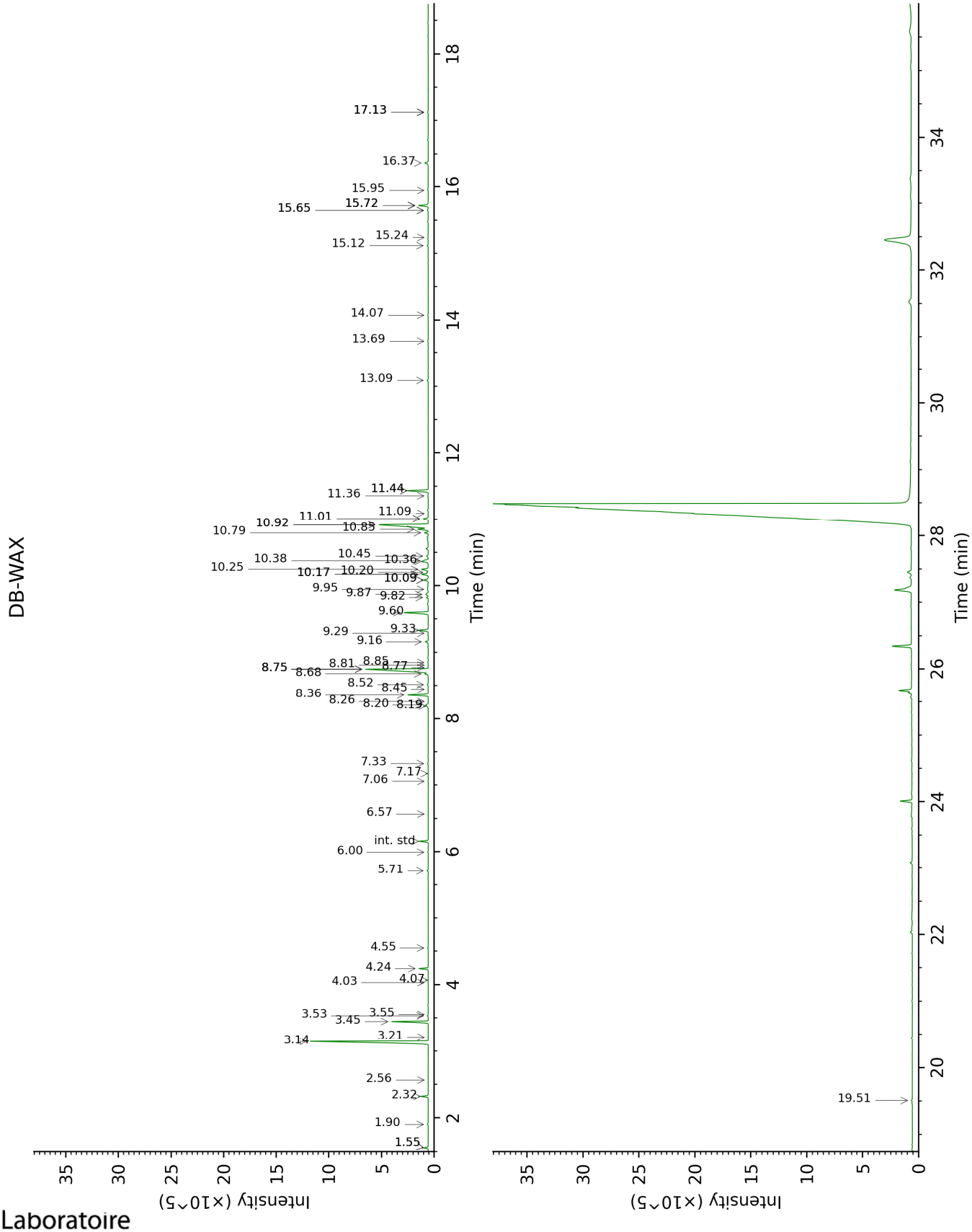
DB-WAX
Intensity (×10^5)
Time (min)
17.13
16.37
15.95
15.65
15.72
15.24
15.12
14.07
13.69
13.09
11.36
11.44
11.09
11.01
10.92
10.79
10.85
10.45
10.38
10.36
10.25
10.17
10.20
10.09
9.95
9.87
9.82
9.60
9.29
9.33
9.16
8.81
8.85
8.77
8.75
8.68
8.52
8.45
8.36
8.26
8.20
8.19
7.33
7.17
7.06
6.57
int. std
6.00
5.71
4.55
4.24
4.03
4.07
3.53
3.55
3.45
3.21
3.14
2.56
2.32
1.90
1.55
19.51

FULL ANALYSIS DATA

Identification	Column DB-5				Column DB-WAX			
	R.T	R.I	Anhydrous (mg/g)	As is (mg/g)	R.T	R.I	Anhydrous (mg/g)	As is (mg/g)
Hexanol	2.16	874	0.09	0.08	5.71	1325	0.10	0.08
Hashishene	2.69	917	tr	tr	1.56*	995	0.26	0.22
α-Thujene	2.84	927	tr					
α-Pinene	2.91	932	0.23	0.19	1.56*	995	[0.26]	[0.22]
Camphene	3.09*	944	0.06	0.05	1.90	1028	0.07	0.06
α-Fenchene	3.09*	944	[0.06]					
Sabinene	3.51*	972	0.46	0.38	2.56	1091	0.01	0.01
β-Pinene	3.51*	972	[0.46]	[0.38]	2.32	1068	0.51	0.42
Myrcene	3.85	996	9.76	8.09	3.14	1136	10.77	8.93
α-Phellandrene	3.96	1003	tr					
α-Terpinene	4.15	1015	tr	tr	3.21	1141	0.01	0.01
para-Cymene	4.25	1022	tr					
β-Phellandrene	4.35*	1028	2.25	1.86	3.53	1166	0.06	0.05
1,8-Cineole	4.35*	1028	[2.55]	[2.12]	3.55	1168	0.01	0.01
Limonene	4.35*	1028	[2.25]	[1.86]	3.45	1160	2.41	2.00
(*Z*)-β-Ocimene	4.55	1041	0.01	0.01	4.03	1204	0.01	0.01
(*E*)-β-Ocimene	4.71	1051	0.52	0.43	4.24	1220	0.57	0.47
γ-Terpinene	4.82	1058	0.01	0.01	4.07	1207	0.01	0.01
cis-Sabinene hydrate	4.95	1066	0.01	0.01	7.18	1430	0.04	0.03
Octanol	5.12	1077	0.01	tr	8.45	1524	0.03	0.03
Fenchone	5.21	1082	0.05	0.04	6.00	1345	0.04	0.04
Terpinolene	5.27	1086	0.03	0.03	4.55	1242	0.03	0.03
trans-Sabinene hydrate	5.46	1098	0.01	tr	8.26	1509	0.01	0.01
Linalool	5.53	1103	1.53	1.27	8.36	1517	1.66	1.38
endo-Fenchol	5.66	1111	0.25	0.21	8.68	1541	0.29	0.24
trans-Pinene hydrate	5.75	1117	0.18	0.15	8.20	1505	0.21	0.17
cis-Pinene hydrate	6.06	1137	0.03	0.02	8.81	1551	0.03	0.02
Camphene hydrate	6.15	1142	0.01	0.01	8.77	1548	0.02	0.01
Ipsdienol	6.23	1148	0.05	0.04	9.95	1640	0.07	0.05
Borneol	6.45	1162	0.08	0.07	10.08*	1651	0.42	0.34
Terpinen-4-ol	6.63	1174	0.01	0.01	8.85	1554	0.05	0.05
α-Terpineol	6.86	1189	0.26	0.22	10.08*	1651	[0.42]	[0.34]
Hexyl butyrate	6.97	1195	0.01	0.01	6.57	1386	0.02	0.01
Citronellol	7.52	1232	tr	tr	11.09	1733	0.02	0.02
(4*Z*)-Decenol	7.87	1256	0.02	0.01	11.36	1756	0.04	0.03
Geraniol	7.90	1257	0.01					
Decanol	8.18	1276	0.01	0.01	11.01*	1727	0.38	0.32
α-Cubebene	9.20	1347	0.02	0.01	7.06	1421	0.03	0.02
α-Ylangene	9.48	1367	0.05	0.04	7.32	1441	0.06	0.05
Unknown [m/z 108, 91 (77), 93 (69), 107 (62),	9.75	1386	0.17	0.14	8.19	1504	0.20	0.16

105 (58), 79 (56)... 204 (26)]								
Hexyl hexanoate	9.80	1389	0.24	0.20	9.16	1578	0.28	0.23
β-Caryophyllene	10.15	1414	6.99	5.79	8.75*	1547	7.59	6.30
α-Santalene	10.17	1416	0.01	0.01	8.52	1529	0.10	0.09
γ-Elemene	10.36	1430	0.67	0.55	9.33	1591	0.72	0.60
trans-α-Bergamotene	10.40*	1434	0.11	0.09	8.75*	1547	[7.59]	[6.30]
α-Guaiene	10.40*	1434	[0.11]	[0.09]	8.75*	1547	[7.59]	[6.30]
α-Humulene	10.59	1447	1.85	1.53	9.60	1612	1.99	1.65
allo-Aromadendrene	10.68	1454	0.01	0.01	9.29	1588	0.01	0.01
(*E*)-β-Farnesene	10.73	1458	0.13	0.11	9.82†	1630	0.42	0.35
Unknown [m/z 189, 133 (75), 91 (71), 105 (69), 93 (44)... 204 (33)]	10.98	1477	0.18	0.15	9.87†	1634	[0.56]	[0.46]
β-Selinene	11.01	1479	0.51	0.42	10.17*	1658	0.54	0.45
Valencene	11.12	1487	0.06	0.05	10.17*	1658	[0.54]	[0.45]
α-Selinene	11.14	1489	0.59	0.49	10.25	1664	0.60	0.50
δ-Guaiene	11.32	1502	0.11	0.09	10.20	1660	0.11	0.09
β-Bisabolene	11.39†	1507	0.47	0.39	10.44	1680	0.15	0.12
(3*E*,6*E*)-α-Farnesene	11.42†	1510	[0.47]	[0.39]	10.80	1709	0.26	0.22
Eremophila-1(10),7(11)-diene	11.45*	1512	0.71	0.59	10.36	1673	0.55	0.46
Spirovetiva-1(10),7(11)-diene	11.45*	1512	[0.71]	[0.59]	10.38	1674	0.22	0.18
Selina-4(15),7(11)-diene	11.66	1529	2.41	2.00	10.92*	1719	6.28	5.21
Selina-4,7(11)-diene?	11.76*	1536	4.20	3.49	10.85	1713	0.81	0.67
Selina-3,7(11)-diene	11.76*	1536	[4.20]	[3.49]	10.92*	1719	[6.28]	[5.21]
(*E*)-α-Bisabolene	11.83	1542	0.33	0.27	11.01*	1727	[0.34]	[0.28]
Germacrene B	11.92	1549	1.36	1.13	11.44*	1762	1.64	1.36
Eudesma-5,7(11)-diene	12.01	1556	0.22	0.18	11.44*	1762	[1.64]	[1.36]
(*E*)-Nerolidol	12.10	1563	0.03	0.03	14.08	1997	0.04	0.04
Caryophyllene oxide	12.22	1573	0.12	0.10	13.09	1906	0.12	0.10
Guaiol	12.49	1594	tr					
Humulene epoxide II	12.55	1599	0.04	0.03	13.69	1961	0.05	0.04
10-epi-γ-Eudesmol	12.69*	1610	0.11					
Selin-6-en-4α-ol isomer	12.69*	1610	[0.11]	[0.09]	15.12	2097	0.10	0.08
Selin-6-en-4α-ol	12.73	1613	0.03	0.03	15.95	2180	0.03	0.02
γ-Eudesmol	12.86	1624	0.04	0.04	15.24	2109	0.03	0.02
β-Eudesmol	13.07	1641	0.04	0.03	15.72*	2157	0.83	0.69
α-Eudesmol	13.11	1645	0.13	0.11	15.65*	2150	0.09	0.08

Bulnesol	13.32	1662	0.01	0.01	15.65*	2150	[0.09]	[0.08]
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	13.35	1665	0.02	0.02	17.13*	2302	0.08	0.06
α-Bisabolol	13.54	1680	0.70	0.58	15.72*	2157	[0.83]	[0.69]
Juniper camphor	13.61	1686	0.27	0.23	16.37	2223	0.33	0.28
Aromadendrane-4,10-diol	13.90	1710	0.04	0.04	17.13*	2302	[0.08]	[0.07]
(2*E*,6*E*)-Farnesol	14.01	1720	0.03	0.02	17.13*	2302	[0.07]	[0.06]
Cryptomeridiol	14.93	1800	0.01					
meta-Camphorene	16.54	1948	0.03	0.02	15.72*	2157	[0.76]	[0.63]
Phytol	18.20	2111	0.07	0.06	19.51	2568	0.08	0.07

*: Two or more compounds are coeluting on this column
[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total
†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis
tr: The compound has been detected below 0.005% of total signal.

Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).
Unknown compounds are expressed in equivalents of internal standard without correction.
R.T.: Retention time (minutes)
R.I.: Retention index

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Pharmascience Inc.

6111 Royalmount Avenue, Montreal, Québec, Canada, H4P 2T4

Certificate of Analysis

Client:	ROXTON AIR	**29-Jun-2023** **Date Received**	
Sample Name:	Frosted Cookies / 010		
Sample ID	CNF-1641-01	**29-Jun-2023** **Analysis Date**	
Sample Type:	Dried Cannabis	**4-Jul-2023** **Reporting Date**	
Certificate Number:	2023-01936 Rev 0		

Aflatoxins (Mycotoxins)	Method (Date of last validation:08-06-2022)	LLOQ	Units	Tolerance Limit*	Result
Aflatoxin-B1	LC-MS-MS Validated Assay CN0048	1.00	ppb	2	<1,00
Aflatoxin-B2	LC-MS-MS Validated Assay CN0048	1.00	ppb		<1,00
Aflatoxin-G1	LC-MS-MS Validated Assay CN0048	1.00	ppb		<1,00
Aflatoxin-G2	LC-MS-MS Validated Assay CN0048	1.00	ppb		<1,00
Total (Aflatoxin-B1+B2+G1+G2)			ppb	4	<4,00

***EP <2.8.18>**

Heavy Metals	Method (Date of last validation: 03-09-2020)	LLOQ	Units	Tolerance Limit*	Result
Arsenic	ICP-MS Validated Assay CN0002	0.10	ppm	0.2	<0,10
Cadmium	ICP-MS Validated Assay CN0002	0.10	ppm	0.3	<0,10
Lead	ICP-MS Validated Assay CN0002	0.25	ppm	0.5	<0,25
Mercury	ICP-MS Validated Assay CN0002	0.05	ppm	0.1	<0,05

***ICH Q3D.Based on 10g of daily consumption.**

Loss on Drying (CN0012)	Method Description	Result (%w/w)
Loss on Drying %w/w	Moisture Analyzer Validated Method CN0012	14.1

Water Activity	Method (Date of Last Validation 31-10-2022)	Tolerance Limit*	Result (a_w)
Water Activity	Validated Method CN0083	≤ 0,65	0.5958

LLOQ - Lower Limit of Quantification

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Certificate of Analysis

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Sample Name / Lot:	Frosted Cookies / 010		
Sample ID:	CNF-1641-01	**29-Jun-2023**	**Analysis Date**
Sample Type:	Dried Cannabis	**4-Jul-2023**	**Reporting Date**
Certificate Number:	2023-01936 Rev 0		

Pesticides	Method (Date of last validation:17-01-2020)	LLOQ	Units	Tolerance Limit*	Result
Abamectin	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Acephate	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Acequinocyl	LC-MS-MS Validated Assay CN0004	0.03	ppm	0.03	<0,03
Acetamiprid	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Aldicarb	LC-MS-MS Validated Assay CN0004	1.00	ppm	1	<1,00
Allethrin	LC-MS-MS Validated Assay CN0004	0.20	ppm	0.2	<0,20
Azadirachtin	LC-MS-MS Validated Assay CN0004	1.00	ppm	1	<1,00
Azoxystrobin	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Benzovindiflupyr	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Bifenazate	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Bifenthrin	LC-MS-MS Validated Assay CN0004	1.00	ppm	1	<1,00
Boscalid	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Buprofezin	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Carbaryl	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Carbofuran	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Chlorantraniliprole	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Chlorphenapyr	GC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Chlorpyrifos	LC-MS-MS Validated Assay CN0004	0.04	ppm	0.04	<0,04
Clofentezine	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Clothianidin	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Coumaphos	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Cyantranilipole	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Cyfluthrin	GC-MS-MS Validated Assay CN0004	0.20	ppm	0.2	<0,20
Cypermethrin	LC-MS-MS Validated Assay CN0004	0.30	ppm	0.3	<0,30
Cyprodinil	LC-MS-MS Validated Assay CN0004	0.25	ppm	0.25	<0,25
Daminozide	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Deltamethrin	LC-MS-MS Validated Assay CN0004	0.50	ppm	0.5	<0,50
Diazinon	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Dichlorvos	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Dimethoate	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Dimethomorph	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Dinotefuran	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Dodemorph	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Endosulfan sulfate	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Endosulfan-alpha	GC-MS-MS Validated Assay CN0004	0.20	ppm	0.2	<0,20
Endosulfan-beta	GC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Ethoprophos	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Etofenprox	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Etoxazole	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Etridiazol	GC-MS-MS Validated Assay CN0004	0.03	ppm	0.03	<0,03
Fenoxycarb	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Fenpyroximate	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Fensulfothion	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Fenthion	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Fenvalerate	GC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Fipronil	LC-MS-MS Validated Assay CN0004	0.06	ppm	0.06	<0,06
Flonicamid	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05

***Health Canada Tolerance Limit**

LLOQ - Lower Limit of Quantification

Results Authorized by:_____

Pharmascience Inc.
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Certificate of Analysis

Client:	ROXTON AIR	**29-Jun-2023**	**Date Received**
Sample Name / Lot:	Frosted Cookies / 010		
Sample ID:	CNF-1641-01	**29-Jun-2023**	**Analysis Date**
Sample Type:	Dried Cannabis	**4-Jul-2023**	**Reporting Date**
Certificate Number:	2023-01936 Rev 0		

Pesticides	Method (Date of last validation: 17-01-2020)	LLOQ	Units	Tolerande Limit*	Result
Fludioxonil	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Fluopyram	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Hexythiazox	LC-MS-MS Validated Assay CN0004	0.01	ppm	0.01	<0,01
Imazalil	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Imidacloprid	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Iprodione	LC-MS-MS Validated Assay CN0004	1.00	ppm	1	<1,00
Kinoprene	GC-MS-MS Validated Assay CN0004	0.50	ppm	0.50	<0,50
Kresoxim-methyl	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Malathion	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Metalaxyl	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Methiocarb	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Methomyl	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Methoprene	LC-MS-MS Validated Assay CN0004	2.00	ppm	2	<2,00
Methyl parathion	GC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Mevinphos	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
MGK-264	GC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Myclobutanil	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Naled	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Novaluron	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Oxamyl	LC-MS-MS Validated Assay CN0004	3.00	ppm	3.0	<3,00
Paclobutrazol	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Permethrin	LC-MS-MS Validated Assay CN0004	0.50	ppm	0.5	<0,50
Phenothrin	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Phosmet	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Piperonyl butoxide	LC-MS-MS Validated Assay CN0004	0.20	ppm	0.2	<0,20
Pirimicarb	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Prallethrin	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Propiconazole	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Propoxur	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Pyraclostrobin	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Pyrethrins	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Pyridaben	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Quintozene	GC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Resmethrin	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Spinetoram	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Spinosad	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Spirodiclofen	LC-MS-MS Validated Assay CN0004	0.25	ppm	0.25	<0,25
Spiromesifen	LC-MS-MS Validated Assay CN0004	3.00	ppm	3	<3,00
Spirotetramat	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Spiroxamine	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Tebuconazole	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Tebufenozide	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Teflubenzuron	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Tetrachlorvinphos	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Tetramethrin	LC-MS-MS Validated Assay CN0004	0.10	ppm	0.1	<0,10
Thiacloprid	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Thiamethoxam	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02
Thiophanate-methyl	LC-MS-MS Validated Assay CN0004	0.05	ppm	0.05	<0,05
Trifloxystrobin	LC-MS-MS Validated Assay CN0004	0.02	ppm	0.02	<0,02

***Health Canada Tolerance Limit**

LLOQ - Lower Limit of Quantification

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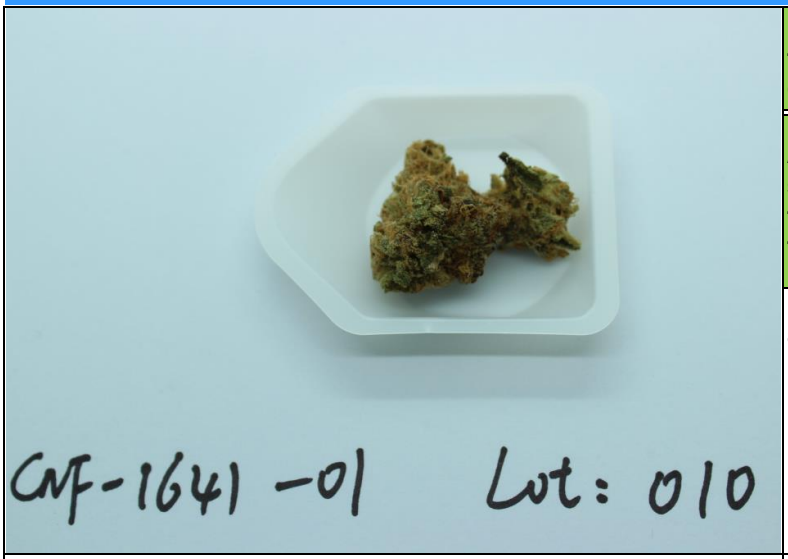
Certificate of Analysis

Client:	ROXTON AIR	**29-Jun-2023**	**Date Received**
Sample Name:	Frosted Cookies / 010		
Sample ID	CNF-1641-01	**29-Jun-2023**	**Analysis Date**
Sample Type:	Dried Cannabis	**4-Jul-2023**	**Reporting Date**
Certificate Number:	2023-01936 Rev 0		

Microbiological Assay	Method (Date of last validation:23-10-2020)	Tolerance Limit*	Units	Result	Pass/Fail
Total Aerobic Microbial Count	USP and EP Harmonized Method CN0027	2,500,000	CFU/g	<10	Pass
Total Combined Yeast and Moulds Count	USP and EP Harmonized Method CN0027	250,000	CFU/g	<10	Pass
Bile-tolerant Gram Negative Bacteria	USP and EP Harmonized Method CN0027	10,000	CFU/g	<10	Pass
Escherichia coli	USP and EP Harmonized Method CN0027	Absent in 1g	N/AP	Absent	Pass
Salmonella	USP and EP Harmonized Method CN0027	Absent in 25g	N/AP	Absent	Pass
Pseudomonas aeruginosa	USP and EP Harmonized Method CN0027	Absent in 1g	N/AP	Absent	Pass
Staphylococcus aureus	USP and EP Harmonized Method CN0027	Absent in 1g	N/AP	Absent	Pass

***EP <5.1.4> and EP <5.1.8>**

Appearance and Foreign Matter Inspection (CN-0062)



Moderate green to light green and tan colored flowering plant particulates. Thick and dense clusters with round-looking nugs.

Absence of stalks, insects and other extraneous substances by visual inspection on 10 grams of dry flower sample. No evidence of spoilage. No visible foreign matter.

Photograph taken with Canon EOS Rebel T6 in light box at 1/60 sec. f/8 50mm 100 ISO.

%w/w of Foreign Matter	<2%

N/AP - Not Applicable