

HIGH NORTH ID:
00300706
Date: 2023-02-22
Certificate: 1677082756



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

Client: BLACK KETTLE FARMS
22051 56 AVE ,
LANGLEY, BC, V2Y 2M8
Name: 1199519 BC LTD
778.918.0911
blackkettle000@gmail.com
Strain: WEDDING CAKE
Lot: BK-WC-2203
Matrix: Flower
Sub-matrix: Dried Flower
Sampled: 2023-02-07
Received: 2023-02-15

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			29.233	292.332
Total CBD [(CBDA x 0.877) + CBD]			0.105	1.045
THCA-A	0.0090	0.06	32.585	325.854
D9-THC	0.0093	0.06	0.656	6.558
CBGA	0.0041	0.06	0.628	6.282
CBG	0.0094	0.06	0.135	1.346
CBDA	0.0100	0.06	0.119	1.191
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:			34.123	341.231
Moisture Analysis	9.59%			

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:


Gui Scharlack
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-035: Determination of Terpenes in Cannabis Flower and Oil 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

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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Gui Scharlack
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

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Authorized by:


Gui Scharlack
QA Specialist

HIGH NORTH ID:
00288532
Date: 2023-01-23
Certificate: 1674510252



High North Inc.
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Woodbridge, ON, L4L 3R7
1-416-864-6119
LIC-P4PNJMAC20-2022

Client: BLACK KETTLE FARMS
22051 56 AVE ,
LANGLEY, BC, V2Y 2M8
Name: Larry Cantor
778-918-0911
blackkettle000@gmail.com
Strain: Wedding Cake
Lot: BK-WC-2203
Matrix: Flower
Sub-matrix: Dried Flower
Sampled: 2023-01-09
Received: 2023-01-18

Certificate of Analysis

Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-(+)-Limonene	0.0001	0.005	0.739
Farnesene*	0.0009	0.005	0.491
Trans-Caryophyllene	0.0002	0.005	0.481
Beta-Myrcene	0.0003	0.005	0.374
Linalool	0.0003	0.005	0.285
Alpha-Humulene	0.0010	0.005	0.162
Terpineol*	0.0001	0.005	0.113
Beta-Pinene	0.0002	0.005	0.091
Alpha-Pinene	0.0003	0.005	0.073
(R)-Endo-(+)-Fenchyl Alcohol	0.0003	0.005	0.072
alpha-Bisabolol	0.0003	0.005	0.042

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Authorized by:

Ryan Lee
Quality Assurance

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Camphene	0.0002	0.005	0.02
Caryophyllene oxide	0.0008	0.005	0.01
Terpinolene	0.0003	0.005	0.009
Fenchone*	0.0003	0.005	BLQ
Phytol*	0.0013	0.010	ND
(+)-Cedrol	0.0010	0.005	ND
Guaiol	0.0003	0.005	ND
trans-Nerolidol	0.0004	0.005	ND
cis-Nerolidol	0.0003	0.005	ND
Valencene	0.0002	0.005	ND
Eugenol	0.0004	0.010	ND
Alpha-Cedrene	0.0002	0.005	ND
Geranyl acetate	0.0002	0.005	ND
Pulegone	0.0002	0.005	ND
Geraniol	0.0007	0.005	ND
Nerol	0.0002	0.005	ND
Citronellol	0.0003	0.005	ND
Camphor + Borneol*	0.0003	0.010	ND
Isoborneol	0.0002	0.005	ND
Hexahydrothymol	0.0005	0.005	ND
Isopulegol	0.0004	0.005	ND
Sabinene Hydrate	0.0001	0.005	ND
Gamma-Terpinene	0.0003	0.005	ND
Ocimene*	0.0004	0.005	ND
Eucalyptol	0.0007	0.005	ND
p-Cymene	0.0003	0.005	ND
Alpha-Terpinene	0.0003	0.005	ND
Alpha-Phellandrene	0.0002	0.005	ND
(1S)-3-Carene	0.0007	0.005	ND
Sabinene	0.0013	0.005	ND
Total of all quantified terpenes:			2.962

Moisture Analysis 11.36%

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LAB-MTD-037: Determination of Mycotoxins in Topical/Cream Samples by LC-MS/MS

Heavy Metal Analysis

LAB-MTD-027: Determination of Heavy Metals in Cannabis Samples by ICP-MS

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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

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LAB-MTD-038: Determination of Toluene in Cannabis Isolate by GC-MS

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Authorized by:



Ryan Lee
Quality Assurance

Black Kettle Farms
22051 56 Ave
Langley, BC
V2Y 2M8

10Jan23 3:21p
Cannabis
flower
1

W172100

TEL: 778 918-0911
blackkettle000@gmail.com

Arrival temp.: 15.0C
Pd B1101 1001P

<u>Sample</u>	<u>Date</u>	<u>N-Lactose Fermentors</u>	<u>Coliforms Total</u>	<u>** Fecal E.coli</u>	<u>Total Bacteria</u>		
BK-WC-2203	09Jan23	ND	ND	ND	ND	ND	

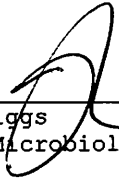
<u>Sample</u>	<u>Date</u>	<u>Pseudomonas Total P.aeruginosa</u>	<u>Salmonella/** Shigella spp</u>	<u>Total Staph</u>	<u>S.aureus</u>		
BK-WC-2203	09Jan23	ND	ND	ND / ND	ND	ND	

<u>Sample</u>	<u>Date</u>	<u>Yeast/Fungi</u>	<u>__TPC__</u>	<u>BTGN *</u>			
BK-WC-2203	09Jan23	ND /1000	1000	ND			

* all counts are colony forming units per milli-litre gram
** results are based on BOTH quantitative and qualitative testing formats supported by
USP <61><62> and suitability tests for the product matrices.
ND = none detected
TPC = total plate count- spread plate method - 35C/24hr or 48hr TGEA

Fecal Coliforms may also be known as Thermotolerant Coliforms
BTGN =Bile-Tolerant, Gram Negative bacteria able to use glucose & non-lactose
fermenting. Pers. Comm. R.Tirumalai USP Jul15.
Methods: Pharmacopeia Internationalis 3.3.1 & 3.3.2; USP <61> & <62>; Ph EUR 2.6.12
& 2.6.13; JP 4.05.I & 4.05.II

- see following page for chemistry results -


W. Riggs
Sr. Microbiologist

M.B. LABS LTD
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E: info@mblabs.com

W: www.mblabs.com

EMAILED
JAN 13 2023
11:15 AM

Black Kettle Farms
22051 56 Ave
Langley, BC
V2Y 2M8

10Jan23 3:21p
Cannabis
flower
1

W172100 pg2

TEL: 778 918-0911
blackkettle000@gmail.com

Arrival temp.: 15.0C
Pd B1101 1001P

Sample: BK-WC-2203 09Jan23

Extraneous/Foreign Matter

<u>Indicator Elements</u>	<u>Counts/gram</u>
Mites	ND
Nematodes	ND
Hairs	ND
Fungi hyphae/spores	20000
Fibers	ND
Stones or hard debris	ND
Insects/Larvae	ND
Other	ND

ND = none detected A = acceptable
n/a = not applicable M = marginal
 U = unacceptable

Unacceptable includes: living infestations
 multiple types of foreign matter (>3)
 material that may cause harm/injury/death

Note: There are currently no values available to use calculations for Cannabis products.

* methods: Q4B Eval & Recommendation of Pharmacopoeia ICH
 Health & Welfare Canada, Extraneous Matter in Foods. 1990

H. Hartmann
Mycologist

W. Riggs
Sr. Microbiologist

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Black Kettle Farms
 22051 56 Ave
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10Jan23 3:21p
 Cannabis
 flower
 1

W172100 pg3

TEL: 778 918-0911
 blackkettle000@gmail.com

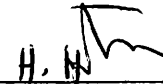
Arrival temp.: 15.0C
 Pd B1101 1001P

Sample: BK-WC-2203 09Jan23

ELEMENTS	SAMPLE	UNITS	Permitted Daily Exposure *			Dietary Reference+		
			Oral	Inhalation	Topical**	RDA	UL	Units
1) Aluminium	Al	17.5						
2) Antimony	Sb	<0.010	1200	20	ug/d	5		ug/g
3) Arsenic	As	<0.010	15	2	ug/d	3		ug/g
4) Barium	Ba	2.86	1400	300	ug/d			
5) Beryllium	Be	<0.030						
6) Boron	B	77.9				--	20	mg
7) Cadmium	Cd	<0.010	5	2	ug/d	3		ug/g
8) Calcium	Ca	7410				1000	2500	mg
9) Chromium	Cr	0.400	11000	3	ug/d	35	--	ug
10) Cobalt	Co	<0.100	50	3	ug/d			
11) Copper	Cu	8.40	3000	30	ug/d	900	10000	ug
12) Gold	Au	<0.100	100	1	ug/d			
13) Iron	Fe	61.1				8	45	mg
14) Lanthanum	La	<0.100						
15) Lead	Pb	0.076	5	5	ug/d	10		ug/g
16) Magnesium	Mg	3240				400	350	mg
17) Manganese	Mn	29.6				2.3	11	mg
18) Mercury	Hg	<0.010	30	1	ug/d	3		ug/g
19) Molybdenum	Mo	0.500	3000	10	ug/d	45	2000	ug
20) Nickel	Ni	0.200	200	5	ug/d	--	1.0	mg
21) Phosphorus	P	5230				700	4000	mg
22) Potassium	K	14900				4700	--	mg
23) Scandium	Sc	<1.00	--	130	ug/d			
24) Selenium	Se	<0.010	150	130	ug/d	55	400	ug
25) Silicon	Si	107				--	ND	
26) Silver	Ag	<0.100	150	7	ug/d			
27) Sodium	Na	287				1500	2300	mg
28) Strontium	Sr	27.0						
29) Tin	Sn	1.30	6000	60	ug/d			
30) Titanium	Ti	0.100						
31) Tungsten	W	1.10						
32) Vanadium	V	0.200	100	1	ug/d	--	1.8	mg
33) Zinc	Zn	41.4				11	40	mg

RDA = recommended daily allowance ND = not determined blank or -- no limits listed
 mg = milligrams UL = tolerable upper intake level ug = micrograms (1 ug/Kg=0.001 ug/g)
 * ref: ICH Q3D USP40 <232><233> Table 1 Element Impurities PDE (ug per day = ug/d)
 ** see Schedule B Canadian Food & Drug Act
 +Food & Nutrition Board, Institute of Medicine, National Academies, 2004
 USP rev 2017; USDA Nutrient database for Std. Reference SR14 Nov 2001.
 HC Quality of Natural Health Products Guide. Section 3 Purity. May 2013
 Method: based on Elemental Impurities - Procedures USP <233>

R. Bilodeau
 Analytical Chemist


 H. Hartmann
 Sr. Analytical Chemist

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B

Black Kettle Farms
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Langley, BC
V2Y 2M8

10Jan23 3:21p
Cannabis
flower
1

W172100 aux

TEL: 778 918-0911
blackkettle000@gmail.com

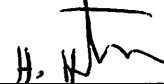
Arrival temp.: 15.0C
Pd B1101 1001P

Sample: BK-WC-2203 09Jan23

ELEMENTS	SAMPLE	UNITS	Permitted Daily Exposure *				Dietary Reference+		
			Oral	Inhalation	Topical**		RDA	UL	Units
3) Arsenic	As	<0.010	ug/g	15	2	ug/d	3 ug/g		
7) Cadmium	Cd	<0.010	ug/g	5	2	ug/d	3 ug/g		
15) Lead	Pb	0.076	ug/g	5	5	ug/d	10ug/g		
18) Mercury	Hg	<0.010	ug/g	30	1	ug/d	3 ug/g		

RDA = recommended daily allowance ND = not determined blank or -- no limits listed
mg = milligrams UL = tolerable upper intake level ug = micrograms (1 ug/Kg=0.001 ug/g)
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USP rev 2017; USDA Nutrient database for Std. Reference SR14 Nov 2001.
HC Quality of Natural Health Products Guide. Section 3 Purity. May 2013
Method: based on Elemental Impurities - Procedures USP <233>

R. Bilodeau
Analytical Chemist



H. Hartmann
Sr. Analytical Chemist

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78

Black Kettle Farms
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 22051 56 Ave
 Langley, BC, V2Y 2M8
 TEL: 778 918-0911
 blackkettle000@gmail.com

Date: 10Jan23 (3:21p)
 Source: Cannabis
 Type: Flower
 No. of Samples: 1
 Arrival temp: 15.0C
 Pd B1101 1001P

No. W172100
 Page 1 of 1

Samples: 1) BK-WC-2203 09Jan23

	Analyte	Sample 1 (ng/g)	Blank (ng/g)	S ₀ (ng/g)	% Ref (Recovery)
1	Aflatoxin B1	ND	ND	0.030	103
2	Aflatoxin B2	ND	ND	0.010	95.9
3	Aflatoxin G1	ND	ND	0.030	103
4	Aflatoxin G2	ND	ND	0.010	100
5	Ochratoxin A	ND	ND	0.030	98.3
6	Zearalenone	ND	ND	0.030	99.7

Method: Sample is solvent extracted, then cleaned using SPE (QuEChERS) methods. Multi-residue analysis is carried out using UPLC-ESI-MS/MS/APCI & GC-MS: SPME. Detection of compounds meet or exceed HC requirements. Procedure ref AOAC 2007.01; USP <561><565>, EU 2.0813. methods fully validated.

LOQ = Limit of quantification
 ND = none detected n/a = not applicable
 ppb = parts per billion (ng/g)

Mycotoxin - Maximum Tolerance Levels -CFIA FAO Food & Nutrition Paper 64, 1997
 CFIA - Fact Sheet - Mycotoxins LL Charmley & HL Trenholm May 2010

Afalatoxin:	15 ppb	nut products	Canada
	20 ppb	all foods	USA
Ochratoxin A:	20 ppb	Cannabis	Health Canada
	5-10 ppb	food & spices	EU
Zearalenone:	20-400 ppb	food & grains	EFSA

R. Bilodeau
 Analytical Chemist: _____

H. Hartmann
 Sr. Analytical Chemist: H. Hartmann

RB

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22051 56 Ave
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TEL: 778 918-0911
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Date: 10Jan23 (3:21p)
Source: Cannabis
Type: Flower
No. of Samples: 1
Arrival temp: 15.0C
Pd B1101 1001P

No. W172100
Page 1 of 3

Samples: 1) BK-WC-2203 09Jan23

	Analyte	Sample 1 (ng/g)	Blank (ng/g)	LOQ(Bud) (ng/g)	% Ref (Recovery)
1	Abamectin	ND	ND	60.5	111
2	Acephate	ND	ND	18.0	104
3	Acequinocyl	ND	ND	26.3	106
4	Acetamiprid	ND	ND	6.09	110
5	Aldicarb	ND	ND	51.4	104
6	Allethrin	ND	ND	47.4	106
7	Azadirachtin	ND	ND	695	109
8	Azoxystrobin	ND	ND	7.34	92.1
9	Benzovindiflupyr	ND	ND	5.06	103
10	Bifenazate	ND	ND	7.25	105
11	Bifenthrin	ND	ND	9.28	108
12	Boscalid	ND	ND	7.63	106
13	Buprofezin	ND	ND	5.77	102
14	Carbaryl	ND	ND	48.9	103
15	Carbofuran	ND	ND	6.46	102
16	Chlorantraniliprole	ND	ND	7.77	103
17	Chlorphenapyr	ND	ND	40.4	101
18	Chlorpyrifos	ND	ND	8.57	110
19	Clofentezine	ND	ND	6.69	100
20	Clothianidin	ND	ND	6.62	104
21	Coumaphos	ND	ND	6.34	102
22	Cyantraniliprole	ND	ND	5.38	106
23	Cyfluthrin	ND	ND	180	115
24	Cypermethrin	ND	ND	53.1	102
25	Cyprodinil	ND	ND	9.74	102
26	Daminozide	ND	ND	89.7	100
27	Deltamethrin	ND	ND	20.7	108
28	Diazinon	ND	ND	6.97	108
29	Dichlorvos	ND	ND	9.19	84.4
30	Dimethoate	ND	ND	6.85	101
31	Dimethomorph	ND	ND	4.50	111
32	Dinotefuran	ND	ND	32.2	109
33	Dodemorph	ND	ND	10.0	101
34	Endosulfan-alpha	ND	ND	30.0	89.1
35	Endosulfan-beta	ND	ND	5.00	102
36	Endosulfan-sulfate	ND	ND	5.00	100
37	Ethoprophos	ND	ND	7.35	105

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Black Kettle Farms
*
22051 56 Ave
Langley, BC, V2Y 2M8
TEL: 778 918-0911
blackkettle000@gmail.com

Date: 10Jan23 (3:21p)
Source: Cannabis
Type: Flower
No. of Samples: 1
Arrival temp: 15.0C
Pd B1101 1001P

No. W172100
Page 2 of 3

	Analyte	Sample 1 (ng/g)	Blank (ng/g)	LOQ(Bud) (ng/g)	% Ref (Recovery)
38	Etofenprox	ND	ND	10.7	109
39	Etoxadole	ND	ND	6.80	84.7
40	Etridiazole	ND	ND	26.0	106
41	Fenoxycarb	ND	ND	7.18	117
42	Fenpyroximate	ND	ND	11.1	108
43	Fensulfothion	ND	ND	7.00	102
44	Fenthion	ND	ND	8.57	116
45	Fenvalerate	ND	ND	60.8	92.7
46	Fipronil	ND	ND	9.13	101
47	Flonicamid	ND	ND	7.45	102
48	Fludioxonil	ND	ND	15.5	111
49	Fluopyram	ND	ND	6.37	110
50	Hexythiazox	ND	ND	6.85	111
51	Imazalil	ND	ND	5.29	103
52	Imidacloprid	ND	ND	5.57	88.2
53	Iprodione	ND	ND	490	108
54	Kinoprene	ND	ND	50.0	94.9
55	Kresoxim-methyl	ND	ND	5.79	105
56	Malathion	ND	ND	11.9	105
57	Metalaxyl	ND	ND	8.28	103
58	Methiocarb	ND	ND	11.5	106
59	Methomyl	ND	ND	7.02	100
60	Methoprene	ND	ND	8.00	104
61	Methyl parathion	ND	ND	25.0	97.6
62	Mevinphos	ND	ND	7.02	104
63	MGK-264	ND	ND	22.8	99.9
64	Myclobutanil	ND	ND	6.80	114
65	Naled (Dibrom)	ND	ND	7.48	114
66	Novaluron	ND	ND	5.30	97.1
67	Oxamyl	ND	ND	26.3	104
68	Paclobutrazol	ND	ND	7.60	119
69	Permethrin	ND	ND	35.8	111
70	Phenothrin	ND	ND	45.4	108
71	Phosmet	ND	ND	10.4	110
72	Piperonyl butoxide	ND	ND	47.4	80.3
73	Pirimicarb	ND	ND	6.50	101
74	Prallethrin	ND	ND	17.9	104
75	Propiconazole	ND	ND	5.30	105
76	Propoxur	ND	ND	10.7	98.8
77	Pyraclostrobin	ND	ND	6.70	103

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No. W172100
 Page 3 of 3

	Analyte	Sample 1 (ng/g)	Blank (ng/g)	LOQ(Bud) (ng/g)	% Ref (Recovery)
78	Pyrethrin I	ND	ND	19.8	109
79	Pyrethrin II	ND	ND	49.4	88.1
80	Pyridaben	ND	ND	7.70	106
81	Quintozene	ND	ND	20.0	102
82	Resmethrin	ND	ND	22.1	122
83	Spinetoram	ND	ND	6.70	111
84	Spinosad	ND	ND	6.60	95.6
85	Spirodiclofen	ND	ND	16.2	108
86	Spiromesifen	ND	ND	6.50	105
87	Spirotetramat	ND	ND	11.2	101
88	Spiroxamine	ND	ND	7.20	102
89	Tebuconazole	ND	ND	5.50	97.0
90	Tebufenozide	ND	ND	10.3	110
91	Teflubenzuron	ND	ND	7.80	110
92	Tetrachlorvinphos	ND	ND	6.70	105
93	Tetramethrin	ND	ND	72.2	98.5
94	Thiacloprid	ND	ND	6.60	99.8
95	Thiamethoxam	ND	ND	10.5	107
96	Thiophanate-methyl	ND	ND	6.60	85.9
97	Trifloxystrobin	ND	ND	6.30	126

*Analysis includes all 96 target compounds on the Health Canada Mandatory List Aug 2019
 **Trace = presence & identity of compound verified, value below limit of quantification
 As per international standards, all observed values are reported even if they are below LOQ's.
 LOQ or MDL's are interpretative & given as guidance only & do not affect reported results.

Method: Sample is solvent extracted, then cleaned using SPE (QuEChERS) methods. Multi-residue analysis is carried out using UPLC-ESI-MS/MS/APCI & GC-MS: SPME. Detection of compounds meet or exceed HC requirements. Procedure ref AOAC 2007.01; USP <561><565>, EU 2.0813. methods fully validated.

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 Analytical Chemist: _____

H. Hartmann
 Sr. Analytical Chemist: 