

HIGH NORTH ID:  
00300705  
Date: 2023-02-22  
Certificate: 1677082612



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: RAINBOW DRIVER  
Lot: BK-RD-2201  
Matrix: Flower  
Sub-matrix: Dried Flower  
Sampled: 2023-02-07  
Received: 2023-02-15

## Certificate of Analysis

<b>Cannabinoid Analysis</b>	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			26.523	265.23
Total CBD [(CBDA x 0.877) + CBD]			ND	ND
THCA-A	0.0090	0.06	29.765	297.646
CBGA	0.0041	0.06	0.865	8.65
D9-THC	0.0093	0.06	0.419	4.194
CBG	0.0094	0.06	0.099	0.986
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
CBDA	0.0100	0.06	ND	ND
CBDV	0.0090	0.06	ND	ND
<b>Total of all quantified cannabinoids:</b>			31.148	311.476

<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
Farnesene*	0.0009	0.005	0.624
Trans-Caryophyllene	0.0002	0.005	0.494
(R)-(+)-Limonene	0.0001	0.005	0.447
Linalool	0.0003	0.005	0.264
Beta-Myrcene	0.0003	0.005	0.224
Alpha-Humulene	0.0010	0.005	0.192
Terpineol*	0.0001	0.005	0.097
Beta-Pinene	0.0002	0.005	0.081
alpha-Bisabolol	0.0003	0.005	0.066
(R)-Endo-(+)-Fenchyl Alcohol	0.0003	0.005	0.066
Alpha-Pinene	0.0003	0.005	0.064

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

<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
trans-Nerolidol	0.0004	0.005	0.049
Camphene	0.0002	0.005	0.018
Caryophyllene oxide	0.0008	0.005	0.008
Terpinolene	0.0003	0.005	0.005
Fenchone*	0.0003	0.005	BLQ
Phytol*	0.0013	0.010	ND
(+)-Cedrol	0.0010	0.005	ND
Guaiol	0.0003	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
<b>Total of all quantified terpenes:</b>			<b>2.699</b>

**Moisture Analysis** 9.56%

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.

---

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

### **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

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.

---

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

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

14Feb23 11:40a  
Cannabis  
flower  
1

W172680

TEL: 778 918-0911  
blackkettle000@gmail.com

Arrival temp.: 10.0C  
PD B1106 1402F

<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-RD-2201	07Feb23	ND	ND	ND	ND

<u>Sample</u>	<u>Date</u>	<u>Pseudomonas Total P.aeruginosa</u>	<u>Salmonella/** Shigella spp</u>	<u>Total Staph S.aureus</u>
BK-RD-2201	07Feb23	ND ND	ND / ND	ND ND


  

<u>Sample</u>	<u>Date</u>	<u>Yeast/Fungi</u>	<u>__TPC__</u>	<u>BTGN *</u>
BK-RD-2201	07Feb23	ND / 75.5	75.5	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  
T: 250 656-1334

E: info@mblabs.com

W: www.mblabs.com

EMAILED  
FEB 16 2023  
10:58 AM



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

14Feb23 11:40a  
 Cannabis  
 flower  
 1

W172680 pg3

TEL: 778 918-0911  
 blackkettle000@gmail.com

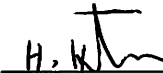
Arrival temp.: 10.0C  
 PD B1106 1402F

Sample: BK-RD-2201 07Feb23

ELEMENTS	SAMPLE	UNITS	Permitted Daily Exposure *			Dietary Reference+		
			Oral	Inhalation	Topical**	RDA	UL	Units
1) Aluminium	Al	44.5						
2) Antimony	Sb	0.174						
3) Arsenic	As	0.064						
4) Barium	Ba	3.37						
5) Beryllium	Be	0.093						
6) Boron	B	80.6				--	20	mg
7) Cadmium	Cd	<0.010						
8) Calcium	Ca	6650				1000	2500	mg
9) Chromium	Cr	0.484				35	--	ug
10) Cobalt	Co	<0.100						
11) Copper	Cu	11.2				900	10000	ug
12) Gold	Au	<0.100						
13) Iron	Fe	116				8	45	mg
14) Lanthanum	La	<0.100						
15) Lead	Pb	0.316						
16) Magnesium	Mg	3850				400	350	mg
17) Manganese	Mn	53.7				2.3	11	mg
18) Mercury	Hg	<0.010						
19) Molybdenum	Mo	0.837				45	2000	ug
20) Nickel	Ni	0.093				--	1.0	mg
21) Phosphorus	P	5330				700	4000	mg
22) Potassium	K	18100				4700	--	mg
23) Scandium	Sc	<1.00						
24) Selenium	Se	<0.010				55	400	ug
25) Silicon	Si	117				--	ND	
26) Silver	Ag	<0.100						
27) Sodium	Na	250				1500	2300	mg
28) Strontium	Sr	27.0						
29) Tin	Sn	7.63						
30) Titanium	Ti	0.651						
31) Tungsten	W	1.21						
32) Vanadium	V	0.186				--	1.8	mg
33) Zinc	Zn	43.7				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

M.B. LABS LTD  
 T: 250 656-1334

E: info@mblabs.com

W: www.mblabs.com



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

14Feb23 11:40a  
Cannabis  
flower  
1

W172680 aux

TEL: 778 918-0911  
blackkettle000@gmail.com

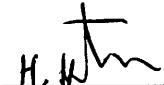
Arrival temp.: 10.0C  
PD B1106 1402F

Sample: BK-RD-2201 07Feb23

<u>ELEMENTS</u>	<u>SAMPLE</u>	<u>UNITS</u>	<u>Permitted Daily Exposure *</u>				<u>Dietary Reference+</u>		
			<u>Oral</u>	<u>Inhalation</u>	<u>Topical**</u>	<u>RDA</u>	<u>UL</u>	<u>Units</u>	
3) Arsenic	As	0.064	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	0.316	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)  
\* 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

M.B. LABS LTD  
T: 250 656-1334

E: info@mblabs.com

W: www.mblabs.com





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

778 918-0911  
blackkettle000@gmail.com

Date: 14Feb23 (11:40a)  
Source: Cannabis  
Type: Flower  
No. of Samples: 1  
Arrival Temp: 10.0C  
PD: B1106 1402F

No. W172680

Samples: 1) BK-RD-2201 07Feb23

	Analyte	Sample 1 (ng/g)	LOQ (Bud) (ng/g)	Blank (ng/g)	Recovery (%)
1	Abamectin	ND	60.5	ND	102
2	Acephate	ND	18.0	ND	96.3
3	Acequinocyl	ND	26.3	ND	107
4	Acetamiprid	ND	6.09	ND	108
5	Aldicarb	ND	51.4	ND	95.4
6	Allethrin	ND	47.4	ND	106
7	Azadirachtin	ND	695	ND	92.8
8	Azoxystrobin	ND	7.34	ND	81.8
9	Benzovindiflupyr	ND	5.06	ND	103
10	Bifenazate	ND	7.25	ND	111
11	Bifenthrin	ND	9.28	ND	95.5
12	Boscalid	ND	7.63	ND	102
13	Buprofezin	ND	5.77	ND	110
14	Carbaryl	ND	48.9	ND	101
15	Carbofuran	ND	6.46	ND	104
16	Chlorantraniliprole	ND	7.77	ND	100
17	Chlorphenapyr	ND	40.4	ND	109
18	Chlorpyrifos	ND	8.57	ND	107
19	Clofentezine	ND	6.69	ND	101
20	Clothianidin	ND	6.62	ND	104
21	Coumaphos	ND	6.34	ND	102
22	Cyantraniliprole	ND	5.38	ND	98.2
23	Cyfluthrin	ND	180	ND	102
24	Cypermethrin	ND	53.1	ND	106
25	Cyprodinil	ND	9.74	ND	104
26	Daminozide	ND	89.7	ND	98.7
27	Deltamethrin	ND	20.7	ND	104
28	Diazinon	ND	6.97	ND	118
29	Dichlorvos	ND	9.19	ND	101
30	Dimethoate	ND	6.85	ND	103
31	Dimethomorph	ND	4.50	ND	103
32	Dinotefuran	ND	32.2	ND	97.7
33	Dodemorph	ND	10.0	ND	106
34	Endosulfan-alpha	ND	30.0	ND	118
35	Endosulfan-beta	ND	5.00	ND	106
36	Endosulfan-sulfate	ND	5.00	ND	109
37	Ethoprophos	ND	7.35	ND	110
38	Etofenprox	ND	10.7	ND	107

Continued on the next page...

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

Date: 14Feb23 (11:40a)  
 Source: Cannabis  
 Type: Flower  
 No. of Samples: 1  
 Arival Temp: 10.0C  
 PD: B1106 1402F

No. W172680

	Analyte	Sample 1 (ng/g)	LOQ (Bud) (ng/g)	Blank (ng/g)	Recovery (%)
39	Etoxazole	ND	6.80	ND	114
40	Etridazole	ND	26.0	ND	100
41	Fenoxycarb	ND	7.18	ND	97.3
42	Fenpyroximate	ND	11.1	ND	90.7
43	Fensulfothion	ND	7.00	ND	112
44	Fenthion	ND	8.57	ND	95.4
45	Fenvalerate	ND	60.8	ND	118
46	Fipronil	ND	9.13	ND	117
47	Flonicamid	ND	7.45	ND	101
48	Fludioxonil	ND	15.5	ND	112
49	Fluopyram	ND	6.37	ND	110
50	Hexythiazox	ND	6.85	ND	92.1
51	Imazalil	ND	5.29	ND	104
52	Imidacloprid	ND	5.57	ND	105
53	Iprodione	ND	490	ND	96.5
54	Kinoprene	ND	50.0	ND	95.0
55	Kresoxim-methyl	ND	5.79	ND	107
56	Malathion	ND	11.9	ND	105
57	Metalaxyl	ND	8.28	ND	102
58	Methiocarb	ND	11.5	ND	102
59	Methomyl	ND	7.02	ND	107
60	Methoprene	ND	8.00	ND	96.4
61	Methyl parathion	ND	25.0	ND	91.4
62	Mevinphos	ND	7.02	ND	101
63	MGK-264	ND	22.8	ND	102
64	Myclobutanil	ND	6.80	ND	116
65	Naled (Dibrom)	ND	7.48	ND	115
66	Novaluron	ND	5.30	ND	94.2
67	Oxamyl	ND	26.3	ND	110
68	Paclobutrazol	ND	7.60	ND	109
69	Permethrin	ND	35.8	ND	99.6
70	Phenothrin	ND	45.4	ND	99.5
71	Phosmet	ND	10.4	ND	117
72	Piperonyl butoxide	ND	47.4	ND	110
73	Pirimicarb	ND	6.50	ND	106
74	Prallethrin	ND	17.9	ND	107
75	Propiconazole	ND	5.30	ND	105
76	Propoxur	ND	10.7	ND	114
77	Pyraclostrobin	ND	6.70	ND	112
78	Pyrethrin I	ND	19.8	ND	88.1

Continued on the next page...

T: 250 656 1334  
 E: info@mblabs.com

MB Laboratories Ltd.  
 www.mblabs.com

Mail: PO Box 2103  
 Sidney, B.C, V8L 356

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

Date: 14Feb23 (11:40a)  
 Source: Cannabis  
 Type: Flower  
 No. of Samples: 1  
 Arrival Temp: 10.0C  
 PD: B1106 1402F

No. W172680

	Analyte	Sample 1 (ng/g)	LOQ (Bud) (ng/g)	Blank (ng/g)	Recovery (%)
79	Pyrethrin II	ND	49.4	ND	86.5
80	Pyridaben	ND	7.70	ND	104
81	Quintozene	ND	20.0	ND	99.6
82	Resmethrin	ND	22.1	ND	98.5
83	Spinetoram	ND	6.70	ND	103
84	Spinosad	ND	6.60	ND	95.1
85	Spirodiclofen	ND	16.2	ND	105
86	Spiromesifen	ND	6.50	ND	92.5
87	Spirotetramat	ND	11.2	ND	99.0
88	Spiroxamine	ND	7.20	ND	103
89	Tebuconazole	ND	5.50	ND	118
90	Tebufenozide	ND	10.3	ND	114
91	Teflubenzuron	ND	7.80	ND	110
92	Tetrachlorvinphos	ND	6.70	ND	114
93	Tetramethrin	ND	72.2	ND	109
94	Thiacloprid	ND	6.60	ND	96.9
95	Thiamethoxam	ND	10.5	ND	110
96	Thiophanate-methyl	ND	6.60	ND	117
97	Trifloxystrobin	ND	6.30	ND	85.9

\*Analysis includes all 97 target compounds on the Health Canada Mandatory List Aug 2019

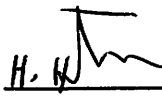
\*\*Trace = presence & identity of compound verified, value below limit of quantification

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. Multiresidue 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.

\_\_\_\_\_  
 R. Bilodeau  
 Analytical Chemist

  
 \_\_\_\_\_  
 H. Hartmann  
 Sr. Analytical Chemist

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

Date: 14Feb23 (11:40a)  
 Source: Cannabis  
 Type: Flower  
 No. of Samples: 1  
 Arrival Temp: 10.0C  
 PD: B1106 1402F

No. W172680

Samples: 1) BK-RD-2201 07Feb23

	Analyte	Sample 1 (ng/g)	LOQ (Bud) (ng/g)	Blank (ng/g)	Recovery (%)
1	Aflatoxin B1	ND	0.030	ND	90.0
2	Aflatoxin B2	ND	0.015	ND	100
3	Aflatoxin G1	ND	0.030	ND	82.5
4	Aflatoxin G2	ND	0.015	ND	82.2
5	Ochratoxin A	ND	0.030	ND	92.2
6	Zearalenone	ND	0.030	ND	90.1

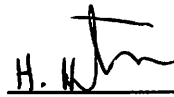
Method: Sample is solvent extracted, then cleaned using SPE (QuEChERS) methods. Multiresidue analysis is carried out using UPLC-ESI-MS/MS/APCI & GC-MS: SPME. Detection of compounds meet or exceed HC requirements. Procedure ref AOAC 2007.01; USP <561><565>, EU 2.0813. methods fully validated.

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	Cannabis	Health Canada

\_\_\_\_\_  
 R. Bilodeau  
 Analytical Chemist

  
 \_\_\_\_\_  
 H. Hartmann  
 Sr. Analytical Chemist

