

CERTIFICATE OF ANALYSIS

Client information COA information

Tri-Citysmoke COA number 221214_39535_PAR10892

115 - 1776 Broadway St. Port CoquitlamCOA Date14-Dec-2022Port Coquitlam, Canada, V3C 2M8Analysis Request IDPAR10892

Sample information

Sample Name 032 Sample Receiving Date 06-Dec-2022

Sample ID 032 Receiving Temperature 21°C

Laboratory ID PAT35956 Analysis Date 08-Dec-2022

Method Ref. **5991-9285EN**

Cannabinoids Profile

ompounds	Results (%w/w)	Results (mg/g)	LOQ(%)	
CBC	<0.010	<0.100	0.010	
CBD	<0.010	<0.100	0.010	
CBDA	0.075	0.750	0.010	
CBDV	<0.010	<0.100	0.010	27.903%
CBG	0.106	1.060	0.010	Total THC
CBGA	0.704	7.040	0.010	
CBN	<0.010	<0.100	0.010	0.066%
D8-THC	<0.010	<0.100	0.010	Total CBD
D9-THC	0.662	6.620	0.010	Total CBD
THCA-A	31.062	310.620	0.010	
THCV	<0.010	<0.100	0.010	
Total THC	27.903	279.034		
Total CBD	0.066	0.658		

Total THC = THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature: Vishery





Details of testing

- 1. LOQ- Limit of quantification
- 2. % w/w: percent (weight of analyte/ weight of product)
- 3. Results only apply to the items tested and to the sample(s) as received.
- 4. This report may not be distributed or reproduced except in full



This COA can be verified by scanning the QR code





samples@pathogenia.com

CERTIFICATE OF ANALYSIS

Client information COA information

Tri-Citysmoke COA number 221214_39558_PAR10892

115 - 1776 Broadway St. Port Coquitlam **COA Date** 14-Dec-2022 Port Coquitlam, Canada, V3C 2M8 Analysis Request ID PAR10892

Sample information

Sample Name Sample Receiving Date 06-Dec-2022 032

Sample ID Receiving Temperature 21°C 032

Laboratory ID Analysis Date PAT35955 09-Dec-2022

Method Ref. 5991-8499EN

Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
d-Limonene	0.442	4.420	0.001
trans-Nerolidol	0.376	3.760	0.001
oeta-Caryophyllene	0.222	2.220	0.001
inalool.	0.163	1.630	0.001
Beta-Myrcene	0.125	1.250	0.001
-)-alpha-Bisabolol	0.110	1.100	0.001
eta-Pinene	0.097	0.970	0.001
Ipha-Pinene	0.089	0.890	0.001
pha-Humulene	0.081	0.810	0.001
alencene	0.072	0.720	0.001
pha-Terpineol	0.054	0.540	0.001
R-endo-Fenchyl-Alcohol	0.051	0.510	0.001
ans-beta-ocimene	0.027	0.270	0.001
amphene	0.014	0.140	0.001
rnesol 1	0.013	0.130	0.001
qualene	0.009	0.090	0.001
rpinolene	0.009	0.090	0.001
ns-beta-Farnesene	0.007	0.070	0.001
erpinen-4-ol	0.006	0.060	0.001
rnesol 2	0.005	0.050	0.001
oborneol	0.002	0.020	0.001
lenthol	0.002	0.020	0.001
hytane	0.002	0.020	0.001
abinene hydrate	0.002	0.020	0.001
nymol	0.002	0.020	0.001
)-Guaiol	<0.001	<0.010	0.001
)-Isopulegol	<0.001	<0.010	0.001
8-Cineole (Eucalyptol)	0.001	0.010	0.001
oha-Cedrene	<0.001	<0.010	0.001
lpha-Terpinene	<0.001	<0.010	0.001
Borneol	<0.001	<0.010	0.001
Carvacrol	<0.001	<0.010	0.001



Tel: +15144466500

samples@pathogenia.com

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
cis-beta-Ocimene	0.001	0.010	0.001
cis-Nerolidol	<0.001	<0.010	0.001
Citronellol	<0.001	<0.010	0.001
Delta-3-Carene	<0.001	<0.010	0.001
gamma-Terpinene	0.001	0.010	0.001
Geraniol	0.001	0.010	0.001
m-Isopropyltoluene	<0.001	<0.010	0.001
Nerol	<0.001	<0.010	0.001
o-Isopropyltoluene	<0.001	<0.010	0.001
p-Isopropyltoluene (p- Cymene)	<0.001	<0.010	0.001
Sabinene	<0.001	<0.010	0.001
Total Terpenes	1.986	19.860	

Authorized by: Laboratory Manager

Signature:



Details of testing

- 1. LOQ- Limit of quantification
- 2. % w/w: percent (weight of analyte/ weight of product)
- 3. Results only apply to the items tested and to the sample(s) as received.
- 4. This report may not be distributed or reproduced except in full



This COA can be verified by scanning the QR code

1198079 B.C Ltd 115, 1776 Broadway St. Port Coquitllam, BC V3C 2M8 14Nov22 10:39a Cannabis flower

TEL: 604 318-9819 glenwilson@shaw.ca

Arrival temp.: 15.0C

Pseudomonas

Total

Sample

Date

Total P.aeruginosa

Staph

S.aureus

1 Batch 031

09Nov22

ND

ND

ND

* all counts are colony forming units per milli-litre gram

** results are based on BOTH quantative and qualative testing formats supported by USP <61><62> and suitablity tests for the product matrices.

ND

ND = none detected

Methods: Pharmocopeia 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 -

Sr. Microbiologist

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

E: info@mblabs.com

W: www.mblabs.com

EMAILEE NOV 212022 S.15 GV 1198079 B.C Ltd 115, 1776 Broadway St. Port Coquitllam, BC V3C 2M8

14Nov22 10:39a Cannabis flower 1

TEL: 604 318-9819 glenwilson@shaw.ca Arrival temp.: 15.0C

<u>Sample</u>	<u>Date</u>	N-Lactose Fermentors	Colifor Total	ms * <u>Fecal</u> E		Total Bacteria	
2 Batch 032 3 Batch 033	09Nov22 09Nov22	ND ND	ND ND	ND ND	ND ND	78.1 ND	
<u>Sample</u>	Date	Pseudomonas Total P.aerug		Salmone Shigell	•	Total Staph	S.aureus
2 Batch 032 3 Batch 033	09Nov22 09Nov22	ND ND		ND /	ND ND	ND ND	ND ND
Sample	<u>Date</u>	Yeast/Fungi	TPC	<u>B</u>	TGN *		
2 Batch 032 3 Batch 033	09Nov22 09Nov22	ND / ND ND / ND	78.1 0		ND ND		

* all counts are colony forming units per milli-litre gram

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: Pharmocopeia 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

^{**} results are based on BOTH quantative and qualative testing formats supported by USP <61><62> and suitablity tests for the product matrices.

1198079 B.C Ltd 115, 1776 Broadway St. Port Coquitllam, BC V3C 2M8 14Nov22 10:39a Cannabis flower 1

Arrival temp.: 15.0C

W171327 pg3

TEL: 604 318-9819 glenwilson@shaw.ca

gionwilooneonaw. oa

Extraneous/Foreign Matter

Indicator Elements	Sample 1 Counts/gram	Sample 2 Counts/gram	Sample 3 Counts/gram
Mites	ND	ND	ND
Nematodes	ND	ND	ND
Hairs	ND	ND	ND
Fungi hyphae/spores	30000	140000	220000
Fibers	ND	ND	ND
Stones or hard debris	ND	ND	ND
Insects/Larvae	ND	ND	ND
Other	ND	ND	ND

Samples: 1) Batch 031 09Nov22 2) Batch 032 09Nov22 3) Batch 033 09Nov22

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, Extaneous Matter in Foods. 1990

> H. Hartmann Mycologist

W. Riggs

Sr. Microbjologist

M.B. LABS LTD

T: 656-1334 F: 656-0443 E: mblabs@pacificcoast.net W: www.mblabs.com

14Nov22 10:39a Cannabis flower 1

Arrival temp.: 15.0C

W171327 pg4

TEL: 604 318-9819 glenwilson@shaw.ca

Samples: 1) Batch 031 09Nov22 2) Batch 032 09Nov22 3) Batch 033 09Nov22

			2	3				-	xposure *	Dietary		
	ELEMENTS		SAMPLE	SAMPLE	UNITS	Oral	Inha	alation	Topical**	RDA	UL	Units
1)	Aluminium	Al	16.3	24.8	ug/g							
2)	Antimony	Sb	<0.010	<0.010	ug/g	1200	20	ug/d	5 ug/g			
3)	Arsenic	As	<0.010	<0.010	ug/g	15	2	ug/d	3 ug/g			
4)	Barium	Ва	2.47	1.81	ug/g	1400	300	ug/d	J . J			
5)	Beryllium	Ве	<0.030	<0.030	ug/g			3.				
6)	Boron	В	45.8	45.2	ug/g						20	mg
7)	Cadmium	Cd	<0.010	<0.010	ug/g	5	2	ug/d	3 ug/g			-
8)	Calcium	Ca	7500	6890	ug/g				5. 5	1000	2500	mg
9)	Chromium	Cr	0.298	0.352	ug/g	11000	3	ug/d		35		ug
10)	Cobalt	Co	<0.100	<0.100	ug/g	50	3	ug/d				_
11)	Copper	Cu	19.2	6.00	ug/g	3000	30	ug/d		900	10000	ug
12)	Gold	Au	<0.100	<0.100	ug/g	100	1	ug/d				•
13)	Iron	Fe	107	141	ug/g			3.		8	45	mg
14)	Lanthanum	La	<0.100	<0.100	ug/g							-
15)	Lead	Pb	<0.010	0.069	ug/g	5	5	ug/d	10ug/g			
16)	Magnesium	Mg	2770	2810	ug/g			-		400	350	mg
17)	Manganese	Mn	107	116	ug/g					2.3	11	mg
18)	Mercury	Hg	<0.010	<0.010	ug/g	30	1	ug/d	3 ug/g			_
19)	Molybdenum	Mo	0.288	0.857	ug/g	3000	10	ug/d		45	2000	ug
20)	Nickel	Ni	0.192	0.286	ug/g	200	5	ug/d			1.0	mg
21)	Phosphorus	P	4500	4090	ug/g			•		700	4000	mg
22)	Potassium	K	16200	18200	ug/g					4700		mg
23)	Scandium	Sc	<1.00	<1.00	ug/g		130	ug/d				_
24)	Selenium	Se	<0.010	<0.010	ug/g	150	130	ug/d		55	400	ug
25)	Silicon	Si	108	160	ug/g			•			ND	
26)	Silver	Ag	<0.100	<0.100	ug/g	150	7	ug/d				
27)	Sodium	Na	229	203	ug/g					1500	2300	mg
28)	Strontium	Sr	24.0	21.9	ug/g							
29)	Tin	Sn	0.864	1.05	ug/g	6000	60	ug/d				
30)	Titanium	Ti	0.096	0.190	ug/g			-				
31)	Tungsten	W	0.576	1.05	ug/g							
32)	Vanadium	V	0.096	0.095	ug/g	100	1	ug/d			1.8	mg
33)	Zinc	Zn	41.6	43.5	ug/g			-		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, Instute of Medicine, National Academies, 2004 USP rev 2017; USDA Nutrient database for Std. Referance SR14 Nov 2001. HC Quality of Natural Health Products Guide. Section 3 Purity. May 2013

Method: based on Elemental Impuritites - Proceedures 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

14Nov22 10:39a Cannabis flower 1

W171327 aux

TEL: 604 318-9819 Arrival temp.: 15.0C

glenwilson@shaw.ca

Samples: 1) Batch 031 09Nov22 2) Batch 032 09Nov22 3) Batch 033 09Nov22

			2	3		Permi	tte	d Daily	Exposure *	Dietar	y Refe	rence+
	ELEMENTS		SAMPLE	SAMPLE	UNITS	Oral	In	nalation	Topical**	RDA	UL	Units
3)	Arsenic	As	<0.010	<0.010	ug/g	15	2	ug/d	3 ug/g			
7)	Cadmium	Cd	<0.010	<0.010	ug/g	5	2	ug/d	3 ug/g			
15)	Lead	Pb	<0.010	0.069	ug/g	5	5	ug/d	10ug/g			
18)	Mercury	Hg	<0.010	<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

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> R. Bilodeau Analytical Chemist

Sr.Analytical Chemist

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

E: info@mblabs.com W: www.mblabs.com

Health Canada Mandatory Pesticide Testing

1198079 B.C. Ltd

*

115, 1776 Broadway St.

Port Coquitlam, BC, V3C 2M8

Date: 14Nov22 (10:39a) Source: Cannabis Type: Flower No. of Samples: 3

Arrival temp: 15.0C

No. W171327 Page 1 of 3

TEL: 604 318-9819 glenwilson@shaw.ca

Samples: 09Nov22 2) Batch 032 3) Batch 033

	Analyte	Sample 2 (ng/g)	Sample 3 (ng/g)	LOQ (Bud) (ng/g)	Blank (ng/g)	% Ref (Recovery)
1	Abamectin	ND	ND	60.48	ND	97.4
2	Acephate	ND	ND	18.00	ND	101
3	Acequinocyl	ND	ND	26.30	ND	93.7
4	Acetamiprid	ND	ND	6.09	ND	107
5	Aldicarb	ND	ND	51.36	ND	94.8
6	Allethrin	ND	ND	47.41	ND	99.6
7	Azadirachtin	ND	ND	695	ND	100
8	Azoxystrobin	ND	ND	7.34	ND	88.8
9	Benzovindiflupyr	ND	ND	5.06	ND	102
10	Bifenazate	ND	ND	7.25	ND	107
11	Bifenthrin	ND	ND	9.28	ND	100
12	Boscalid	ND	ND	7.63	ND	102
13	Buprofezin	ND	ND	5.77	ND	102
14	Carbaryl	ND	ND	48.85	ND	103
15	Carbofuran	ND	ND	6.46	ND	100
16	Chlorantraniliprole	ND	ND	7.77	ND	86.3
17	Chlorphenapyr	ND	ND	40.40	ND	100
18	Chlorpyrifos	ND	ND	8.57	ND	100
19	Clofentezine	ND	ND	6.69	ND	98.4
20	Clothianidin	ND	ND	6.62	ND	97.1
21	Coumaphos	ND	ND	6.34	ND	101
22	Cyantraniliprole	ND	ND	5.38	ND	99.1
23	Cyfluthrin	ND	ND	180	ND	108
24	Cypermethrin	ND	ND	53.07	ND	92.2
25	Cyprodinil	ND	ND	9.74	ND	98.9
26	Daminozide	ND	ND	89.70	ND	102
27	Deltamethrin	ND	ND	20.70	ND	99.6
28	Diazinon	ND	ND	6.97	ND	109
29	Dichlorvos	ND	ND	9.19	ND	99.9
30	Dimethoate	ND	ND	6.85	ND	97.4
31	Dimethomorph	ND	ND	4.50	ND	100
32	Dinotefuran	ND	ND	32.20	ND	114
33	Dodemorph	ND	ND	10.00	ND	101
34	Endosulfan-alpha	ND	ND	30.00	ND	89.7
35	Endosulfan-beta	ND	ND	5.00	ND	98.2
36	Endosulfan-sulfate	ND	ND	5.00	ND	102
37	Ethoprophos	ND	ND	7.35	ND	104

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

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Health Canada Mandatory Pesticide Testing

No. W171327

Page 2 of 3

1198079 B.C. Ltd

*

115, 1776 Broadway St. Port Coquitlam, BC, V3C 2M8 Date: 14Nov22 (10:39a)

Source: Cannabis
Type: Flower
No. of Somples: 2

Arrival temp: 15.0C

Type: Flower
No. of Samples: 3

TEL: 604 318-9819 glenwilson@shaw.ca

	Analyte	Sample 2	Sample 3	LOQ (Bud)	Blank	% Ref
		(ng/g)	(ng/g)	(ng/g)	(ng/g)	(Recovery)
38	Etofenprox	ND	ND	10.74	ND	101
39	Etoxazole	ND	ND	6.80	ND	116
40	Etridiazole	ND	ND	26.00	ND	88.4
41	Fenoxycarb	ND	ND	7.18	ND	111
42	Fenpyroximate	ND	ND	11.07	ND	110
43	Fensulfothion	ND	ND	7.00	ND	100
44	Fenthion	ND	ND	8.57	ND	118
45	Fenvalerate	ND	ND	60.8	ND	94.9
46	Fipronil	ND	ND	9.13	ND	103
47	Flonicamid	ND	ND	7.45	ND	97.7
48	Fludioxonil	ND	ND	15.47	ND	106
49	Fluopyram	ND	ND	6.37	ND	108
50	Hexythiazox	ND	ND	6.85	ND	119
51	Imazalil	ND	ND	5.29	ND	101
52	Imidacloprid	ND	ND	5.57	ND	98.3
53	Iprodione	ND	ND	490	ND	90.3
54	Kinoprene	ND	ND	50.00	ND	95.1
55	Kresoxim-methyl	ND	ND	5.79	ND	98.9
56	Malathion	ND	ND	11.88	ND	87.5
57	Metalaxyl	ND	ND	8.28	ND	97.4
58	Methiocarb	ND	ND	11.50	ND	103
59	Methomyl	ND	ND	7.02	ND	99.0
60	Methoprene	ND	ND	8.00	ND	97.7
61	Methyl parathion	ND	ND	25.00	ND	96.6
62	Mevinphos	ND	ND	7.02	ND	100
63	MGK-264	ND	ND	22.80	ND	107
64	Myclobutanil	ND	ND	6.80	ND	104
65	Naled (Dibrom)	ND	ND	7.48	ND	96.7
66	Novaluron	ND	ND	5.30	ND	97.5
67	Oxamyl	ND	ND	26.30	ND	97.5
68	Paclobutrazol	ND	ND	7.60	ND	109
69	Permethrin	ND	ND	35.80	ND	95.0
70	Phenothrin	ND	ND	45.40	ND	99.0
71	Phosmet	ND	ND	10.40	ND	103
72	Piperonyl butoxide	ND	ND	47.40	ND	120
73	Pirimicarb	ND	ND	6.50	ND	100
74	Prallethrin	ND	ND	17.85	ND	104
75	Propiconazole	ND	ND	5.30	ND	103
76	Propoxur	ND	ND	10.65	ND	107
77	Pyraclostrobin	ND	ND	6.70	ND	100

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T: 250 656 1334 E: info@mblabs.com MB Laboratories Ltd. Web: www.mblabs.com

Health Canada Mandatory Pesticide Testing

No. W171327

Page 3 of 3

1198079 B.C. Ltd

115, 1776 Broadway St.

Port Coquitlam, BC, V3C 2M8

Date: 14Nov22 (10:39a) Source: Cannabis

Type: Flower No. of Samples: 3

Arrival temp: 15.0C

TEL: 604 318-9819 glenwilson@shaw.ca

	Analyte	Sample 2	Sample 3	LOQ (Bud)	Blank	% Ref
		(ng/g)	(ng/g)	(ng/g)	(ng/g)	(Recovery)
78	Pyrethrin I	ND	ND	19.80	ND	102
79	Pyrethrin II	ND	ND	49.40	ND	92.0
80	Pyridaben	ND	ND	7.70	ND	100
81	Quintozene	ND	ND	20.00	ND	92.4
82	Resmethrin	ND	ND	22.10	ND	105
83	Spinetoram	ND	ND	6.70	ND	96.0
84	Spinosad	ND	ND	6.60	ND	98.2
85	Spirodiclofen	ND	ND	16.20	ND	99.2
86	Spiromesifen	ND	ND	6.50	ND	97.2
87	Spirotetramat	ND	ND	11.20	ND	100
88	Spiroxamine	ND	ND	7.20	ND	99.2
89	Tebuconazole	ND	ND	5.50	ND	116
90	Tebufenozide	ND	ND	10.30	ND	106
91	Teflubenzuron	ND	ND	7.80	ND	96.4
92	Tetrachlorvinphos	ND	ND	6.70	ND	101
93	Tetramethrin	ND	ND	72.20	ND	114
94	Thiacloprid	ND	ND	6.60	ND	98.4
95	Thiamethoxam	ND	ND	10.50	ND	113
96	Thiophanate-methyl	ND	ND	6.60	ND	118
97	Trifloxystrobin	ND	ND	6.30	ND	94.9

^{*}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. 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:

T: 250 656 1334 E: info@mblabs.com MB Laboratories Ltd. Web: www.mblabs.com

Health Canada Mandatory Pesticide Testing

1198079 B.C. Ltd

*

Date: 14Nov22 (10:39a)

No. W171327 Page 1 of 1

115, 1776 Broadway St.

Port Coquitlam, BC, V3C 2M8

Source: Cannabis
Type: Flower
No. of Samples: 3

TEL: 604 318-9819 glenwilson@shaw.ca

Arrival temp: 15.0C

Samples: 09Nov22 2) Batch 032 3) Batch 033

	Analyte	Sample 2 (ng/g)	Sample 3 (ng/g)	S ₀ (ng/g)	Blank (ng/g)	% Ref (Recovery)
1	Aflatoxin B1	ND	ND	0.030	ND	101
2	Aflatoxin B2	ND	ND	0.015	ND	96.3
3	Aflatoxin G1	ND	ND	0.030	ND	103
4	Aflatoxin G2	ND	ND	0.015	ND	103
5	Ochratoxin A	ND	ND	0.030	ND	106
6	Zearalenone	ND	ND	0.030	ND	109

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: 4/

T: 250 656 1334 E: info@mblabs.com MB Laboratories Ltd. Web: www.mblabs.com