Client/Code

First Choice Cannabis
1941 Goodridge Rd
Sooke, BC
V9Z 0C6

Date 21Dec21 4:24p No. W165647
Source Cannabis
Type of Sample extract
No. of Samples 2

TEL.: 778 678-1767
francy.pesek@gmail.com

Comments Arrival temp.: 18.3C
Pd Cheque B1048

	Sample	Date	Time	N-Lactose Fermentors	Coliforms Total	Fecal	** E.coli	Total Bacteria
1	SAM-0003(01)-01/02	21Dec21		ND	ND	ND	ND	ND
2	SAM-0003(02)-01/02	21Dec21		ND	ND	ND	ND	ND

	Sample	Date	Time	Pseudomonas Total	P.aeruginosa	Salmonella/** Shigella spp	Total Staph	S.aureus
1	SAM-0003(01)-01/02	21Dec21		ND	ND	ND / ND	ND	ND
2	SAM-0003(02)-01/02	21Dec21		ND	ND	ND / ND	ND	ND

	Sample	Date	Time	Yeast/Fungi	TPC	BTGN *
1	SAM-0003(01)-01/02	21Dec21		ND / ND	0	ND
2	SAM-0003(02)-01/02	21Dec21		ND / ND	0	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 = 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

Client/Code

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V9Z 0C6

Date 21Dec21 4:24p No. W165647 pg2
Source Cannabis
Type of Sample extract
No. of Samples 2

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Comments Arrival temp.: 18.3C
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Samples: 1) SAM-0003(01)-01/02 21Dec21 2) SAM-0003(02)-01/02 21Dec21

Extraneous/Foreign Matter

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

ND = none detected
n/a = not applicable

A = acceptable
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, Extaneous Matter in Foods. 1990

H. Hartmann
Mycologist

W. Riggs
Sr. Microbiologist

Client/Code

First Choice Cannabis
1941 Goodridge Rd
Sooke, BC
V9Z 0C6

Date 21Dec21 4:24p No. W165647 pg3
Source Cannabis
Type of Sample extract
No. of Samples 2

TEL.: 778 678-1767
francy.pesek@gmail.com

Comments Arrival temp.: 18.3C
Pd Cheque B1048

Samples: 1) SAM-0003(01)-01/02 21Dec21 2) SAM-0003(02)-01/02 21Dec21

ELEMENTS		1 SAMPLE	2 SAMPLE	UNITS	Permitted Amounts Individual Components @ 10g/d consumed Oral	Inhalation	
1) Aluminium	Al	169	106	ug/g			
2) Antimony	Sb	0.204	<0.010	ug/g	—	—	
3) Arsenic	As	<0.010	<0.010	ug/g	0.15	0.15	ug/g dose <10g/d
4) Barium	Ba	0.658	0.441	ug/g	—	—	
5) Beryllium	Be	<0.030	<0.030	ug/g			
6) Boron	B	103	142	ug/g			
7) Cadmium	Cd	<0.010	<0.010	ug/g	2.5	0.15	ug/g dose <10g/d
8) Calcium	Ca	303	53.1	ug/g			
9) Chromium	Cr	7.07	0.812	ug/g	*	2.5	ug/g dose <10g/d
10) Cobalt	Co	<0.100	<0.100	ug/g	—	—	
11) Copper	Cu	2.12	3.02	ug/g	100	7	ug/g dose <10g/d
12) Gold	Au	<0.100	<0.100	ug/g	—	—	
13) Iron	Fe	137	82.8	ug/g			
14) Lanthanum	La	<0.100	<0.100	ug/g			
15) Lead	Pb	0.209	0.338	ug/g	0.5	0.5	ug/g dose <10g/d
16) Magnesium	Mg	51.7	20.9	ug/g			
17) Manganese	Mn	2.12	1.62	ug/g			
18) Mercury	Hg	<0.010	<0.010	ug/g	1.5	0.15	ug/g dose <10g/d
19) Molybdenum	Mo	0.470	0.232	ug/g	10	25	ug/g dose <10g/d
20) Nickel	Ni	6.11	1.16	ug/g	50	0.15	ug/g dose <10g/d
21) Phosphorus	P	16.9	16.5	ug/g			
22) Potassium	K	21.2	25.5	ug/g			
23) Scandium	Sc	<1.00	<1.00	ug/g	—	—	
24) Selenium	Se	<0.010	<0.010	ug/g	—	—	
25) Silicon	Si	124	173	ug/g			
26) Silver	Ag	<10.0	<10.0	ug/g	—	—	
27) Sodium	Na	<0.050	<0.050	ug/g			
28) Strontium	Sr	<0.100	<0.100	ug/g			
29) Tin	Sn	0.940	0.928	ug/g	—	—	
30) Titanium	Ti	10.3	5.80	ug/g			
31) Tungsten	W	2.35	1.62	ug/g			
32) Vanadium	V	0.235	<0.010	ug/g	100	30	ug/g dose <10g/d
33) Zinc	Zn	26.3	15.9	ug/g			

DA = recommended daily allowance ND = not determined
mg = milligrams UL = tolerable upper intake level ug = micrograms (1 ug/Kg=0.001 ug/g)
— = elements that have limits in drug products Table 1 ICH Q3D USP <232>
* ref "not a safety concern"
ref: ICH Q3D USP <232><233> Table 2 Permitted Conc Element Impurities for Individual Component Option -assumes 10g daily serving size
Method: based on Elemental Impuritites - Proceedures USP <233>

R. Bilodeau
Analytical Chemist

H. Hartmann
Sr.Analytical Chemist

MB LABS LTD.
ANALYTICAL & TESTING SERVICES P.O. BOX 2103, SIDNEY, B.C. V8L 3S6 TEL: (250) 656-1334 EMAIL: info@mblabs.com

Client/Code

First Choice Cannabis
1941 Goodridge Rd
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V9Z 0C6

Date 21Dec21 4:24p No. W165647 aux
Source Cannabis
Type of Sample extract
No. of Samples 2

TEL: 778 678-1767
francy.pesek@gmail.com

Comments Arrival temp.: 18.3C
Pd Cheque B1048

Samples: 1) SAM-0003(01)-01/02 21Dec21 2) SAM-0003(02)-01/02 21Dec21

ELEMENTS		1 SAMPLE	2 SAMPLE	UNITS	Permitted Amounts Individual Components @ 10g/d consumed Oral	Inhalation	
3) Arsenic	As	<0.010	<0.010	ug/g	0.15	0.15	ug/g dose <10g/d
7) Cadmium	Cd	<0.010	<0.010	ug/g	2.5	0.15	ug/g dose <10g/d
15) Lead	Pb	0.209	0.338	ug/g	0.5	0.5	ug/g dose <10g/d
18) Mercury	Hg	<0.010	<0.010	ug/g	1.5	0.15	ug/g dose <10g/d

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R. Bilodeau
Analytical Chemist

H. Hartmann
Sr.Analytical Chemist

First Choice Cannabis
*
1941 Goodridge Rd
Sooke, BC, V9Z 0C6

TEL: 778 678-1767
francy.pesek@gmail.com

Date: 21Dec21 (4:24p)
Source: Cannabis
Type: other
No. of Samples: 2
Arrival temp: 18.3C
Pd CHEQUE B1048

Samples: 1) SAM-0003(01)-01/02 21Dec21 2) SAM-0003(02)-01/02 21Dec21

Cannabinoids	**Sample 1** (mg/mL)	**Sample 1** (%)	**Sample 2** (mg/mL)	**Sample 2** (%)	**Blank** (%)	**Recovery** (%)	**S_0** (%)
Δ^9-THC	1.54	0.166	1.52	0.165	ND	103	0.001
Δ^9-THC Acid	ND	ND	ND	ND	ND	93.8	0.001
Total THC*	**1.54**	**0.166**	**1.52**	**0.165**			
Δ^8THC	ND	ND	ND	ND	ND	95.0	0.001
Cannabidiol (CBD)	28.3	3.6	27.8	3.02	ND	98.8	0.001
Cannabidiol Acid	ND	ND	ND	ND	ND	90.3	0.001
Total CBD**	**28.3**	**3.6**	**27.8**	**3.02**			
Cannabinol (CBN)	ND	ND	ND	ND	ND	100	0.001
Cannabinol Acid	ND	ND	ND	ND	ND	93.1	0.001
Density (g/mL)	**0.9264**		**0.9211**				

Methods: solvent extraction; measured by UPLC-UV, tandem MS, P.I. 1.14 & based on USP monograph 29
S_o = standard deviation at zero analyte concentration. MDL generally considered to be 3x S_o value.

ND = none detected. N/A = not applicable. THC = tetrahydrocannabinol.
***Total THC** = Δ^9-THC + (THCA x 0.877). ****Total CBD** = CBD + (CBDA x 0.877).

Material will be held for up to 3 weeks unless alternative arrangements have been made. Sample holding time may vary and is dependent on MBL license restrictions.

R. Bilodeau
Analytical Chemist: _____

H. Hartmann
Sr. Analytical Chemist: H. H

Cannabis - Report form: rev 4Dec 2019 MBL | **Health Canada Mandatory Pesticide Testing**

First Choice Cannabis
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TEL: 778 678-1767
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Date: 21Dec21 (4:24p)
Source: Cannabis
Type: other
No. of Samples: 2
Arrival temp: 18.3C
Pd CHEQUE B1048

No. W165647

Samples: 1) SAM-0003(01)-01/02 21Dec21 2) SAM-0003(02)-01/02 21Dec21

	Analyte	Sample 1 (ng/g)	Sample 2 (ng/g)	LOQ (Oil) (ng/g)	Blank (ng/g)	% Ref (Recovery)
1	Aflatoxin B1	ND	ND	1.25	ND	108
2	Aflatoxin B2	ND	ND	2.47	ND	120
3	Aflatoxin G1	ND	ND	0.88	ND	108
4	Aflatoxin G2	ND	ND	0.53	ND	114
5	Ochratoxin	ND	ND	3.67	ND	103
6	Zearalenone	ND	ND	15	ND	91.3

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.

So = Standard deviation at zero analyte concentration; method detection limit generally 3x So.
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. H

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Arrival temp: 18.3C
Pd CHEQUE B1048

No. W165647

Samples: 1) SAM-0003(01)-01/02 21Dec21 **2)** SAM-0003(02)-01/02 21Dec21

	Analyte	Sample 1 (ng/g)	Sample 2 (ng/g)	LOQ (Oil) (ng/g)	Blank (ng/g)	% Ref (Recovery)
1	Abamectin	ND	ND	145.00	ND	91.6
2	Acephate	ND	ND	45.00	ND	86.9
3	Acequinocyl	ND	ND	65.70	ND	91.7
4	Acetamiprid	ND	ND	15.20	ND	98.9
5	Aldicarb	ND	ND	128.00	ND	89.8
6	Allethrin	ND	ND	92.10	ND	86.1
7	Azadirachtin	ND	ND	480	ND	103
8	Azoxystrobin	ND	ND	8.90	ND	110
9	Benzovindiflupyr	ND	ND	9.06	ND	96.1
10	Bifenazate	ND	ND	8.50	ND	96.6
11	Bifenthrin	ND	ND	23.00	ND	91.4
12	Boscalid	ND	ND	9.20	ND	111
13	Buprofezin	ND	ND	14.40	ND	88.8
14	Carbaryl	ND	ND	24.00	ND	88.6
15	Carbofuran	ND	ND	9.50	ND	93.7
16	Chlorantraniliprole	ND	ND	19.40	ND	94.6
17	Chlorphenapyr	ND	ND	101.00	ND	87.4
18	Chlorpyrifos	ND	ND	21.40	ND	93.0
19	Clofentezine	ND	ND	9.60	ND	85.2
20	Clothianidin	ND	ND	16.60	ND	99.5
21	Coumaphos	ND	ND	8.90	ND	92.3
22	Cyantraniliprole	ND	ND	7.50	ND	93.1
23	Cyfluthrin	ND	ND	451.00	ND	112
24	Cypermethrin	ND	ND	133.00	ND	102
25	Cyprodinil	ND	ND	9.81	ND	98.5
26	Daminozide	ND	ND	224.00	ND	102
27	Deltamethrin	ND	ND	52.00	ND	109
28	Diazinon	ND	ND	17.00	ND	90.9
29	Dichlorvos	ND	ND	23.00	ND	84.3
30	Dimethoate	ND	ND	9.55	ND	95.0
31	Dimethomorph	ND	ND	11.20	ND	84.4
32	Dinotefuran	ND	ND	4.80	ND	102
33	Dodemorph	ND	ND	25.00	ND	103
34	Endosulfan-alpha	ND	ND	75.00	ND	90.1
35	Endosulfan-beta	ND	ND	12.50	ND	83.9
36	Endosulfan-sulfate	ND	ND	12.50	ND	93.1
37	Ethoprophos	ND	ND	9.40	ND	98.1

continued on next page...

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Source: Cannabis
Type: other
No. of Samples: 2
Arrival temp: 18.3C
Pd CHEQUE B1048

No. W165647

	Analyte	Sample 1 (ng/g)	Sample 2 (ng/g)	LOQ (Oil) (ng/g)	Blank (ng/g)	% Ref (Recovery)
38	Etofenprox	ND	ND	26.80	ND	92.9
39	Etoxazole	ND	ND	17.00	ND	127
40	Etridiazole	ND	ND	65.00	ND	86.1
41	Fenoxycarb	ND	ND	9.22	ND	91.9
42	Fenpyroximate	ND	ND	27.70	ND	98.4
43	Fensulfothion	ND	ND	8.90	ND	87.2
44	Fenthion	ND	ND	9.50	ND	94.6
45	Fenvalerate	ND	ND	152.00	ND	99.6
46	Fipronil	ND	ND	9.55	ND	104
47	Flonicamid	ND	ND	18.60	ND	108
48	Fludioxonil	ND	ND	9.40	ND	111
49	Fluopyram	ND	ND	7.60	ND	101
50	Hexythiazox	ND	ND	17.20	ND	102
51	Imazalil	ND	ND	8.90	ND	92.4
52	Imidacloprid	ND	ND	9.20	ND	98.4
53	Iprodione	ND	ND	402.00	ND	95.6
54	Kinoprene	ND	ND	125.00	ND	89.8
55	Kresoxim-methyl	ND	ND	14.50	ND	92.3
56	Malathion	ND	ND	8.90	ND	97.2
57	Metalaxyl	ND	ND	9.20	ND	107
58	Methiocarb	ND	ND	9.50	ND	99.1
59	Methomyl	ND	ND	17.50	ND	105
60	Methoprene	ND	ND	24.00	ND	89.4
61	Methyl parathion	ND	ND	62.50	ND	88.8
62	Mevinphos	ND	ND	17.60	ND	92.3
63	MGK-264	ND	ND	264.00	ND	89.9
64	Myclobutanil	ND	ND	9.80	ND	101
65	Naled (Dibrom)	ND	ND	18.70	ND	103
66	Novaluron	ND	ND	20.20	ND	96.3
67	Oxamyl	ND	ND	65.70	ND	100
68	Paclobutrazol	ND	ND	9.00	ND	101
69	Permethrin	ND	ND	89.50	ND	102
70	Phenothrin	ND	ND	113.00	ND	99.9
71	Phosmet	ND	ND	26.00	ND	101
72	Piperonyl butoxide	ND	ND	118.00	ND	108
73	Pirimicarb	ND	ND	9.10	ND	91.6
74	Prallethrin	ND	ND	44.60	ND	90.1
75	Propiconazole	ND	ND	13.20	ND	92.4
76	Propoxur	ND	ND	9.00	ND	89.0
77	Pyraclostrobin	ND	ND	8.90	ND	91.3

continued on next page...

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Type: other
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Arrival temp: 18.3C
Pd CHEQUE B1048

No. W165647

	Analyte	Sample 1 (ng/g)	Sample 2 (ng/g)	LOQ (Oil) (ng/g)	Blank (ng/g)	% Ref (Recovery)
78	Pyrethrin I	ND	ND	49.50	ND	101
79	Pyrethrin II	ND	ND	123.00	ND	94.8
80	Pyridaben	ND	ND	19.00	ND	97.2
81	Quintozene	ND	ND	50.00	ND	82.0
82	Resmethrin	ND	ND	45.00	ND	109
83	Spinetoram	ND	ND	9.80	ND	94.1
84	Spinosad	ND	ND	8.10	ND	96.6
85	Spirodiclofen	ND	ND	40.60	ND	103
86	Spiromesifen	ND	ND	16.20	ND	99.7
87	Spirotetramat	ND	ND	9.55	ND	93.0
88	Spiroxamine	ND	ND	18.00	ND	98.7
89	Tebuconazole	ND	ND	8.90	ND	92.1
90	Tebufenozide	ND	ND	9.60	ND	96.2
91	Teflubenzuron	ND	ND	19.50	ND	94.3
92	Tetrachlorvinphos	ND	ND	9.77	ND	95.6
93	Tetramethrin	ND	ND	180.00	ND	90.5
94	Thiacloprid	ND	ND	9.40	ND	94.7
95	Thiamethoxam	ND	ND	9.90	ND	107
96	Thiophanate-methyl	ND	ND	16.50	ND	136
97	Trifloxystrobin	ND	ND	8.50	ND	97.7

*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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