

info@lightscale.com ORELAP #4112 OLCC #010-1003340D344

303 - Fruit OG RCO 10.26.19

Farmer's Friend Extracts 6451 NF Colwood Wy Portland, OR 97218 503-442-8653

Sample Type: Extracts Sample Date: 11/4/2019 Analysis Date: 11/5/2019 Report Date: 11/8/2019

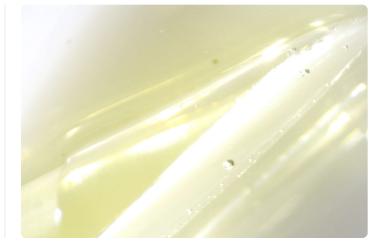
Metrc Batch ID: 1A4010300016315000017656 Metrc Sample ID: 1A4010300016315000017909 Harvest/Process Date: 10/26/2019 Report ID:

LS-191107-23

Potency

Potency Analysis Date: 11/5/2019 Potency Batch ID: CAN_110519B Potency Method: JAOAC 2015.1

61.3%	Total THC
0.0850%	Total CBD
Samples: XBB-RHD-WJM, JTP-MRX-MFP	



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit: %
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.16	12.0	57.6	65.0	61.3	
THCA	Tetrahydrocannabinolic acid	0.16	0.00	ND	ND	ND	
CBD	Cannabidiol	0.16	6.00	ND	0.170	0.0850	•
CBDA	Cannabidiolic acid	0.16	0.00	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
A8THC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.16	1.71	0.526	0.536	0.531	•
CBG	Cannabigerol*	0.16	6.90	1.67	1.79	1.73	•
CBGA	Cannabigerolic acid*	0.16	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.16	0.00	ND	ND	ND	
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	29.9	0.544	0.735	0.639	•
Total THC	Δ9THC + (THCA × 0.877)		12.0	57.6	65.0	61.3	
Total CBD	CBD + (CBDA × 0.877)		6.00	<l0q< td=""><td>0.170</td><td>0.0850</td><td>•</td></l0q<>	0.170	0.0850	•
Total			12.2	60.3	68.2	64.3	

Compliance

Pesticides	Within limits	Analysis Date: 11/5/2019	Pass ⊘
Solvents	Within limits	Analysis Date: 11/6/2019	Pass ⊘
Potency	Within limits	Analysis Date: 11/5/2019	Pass ⊘

Prize Hate Bryce Kidd, Ph.D. Lab Director

Aaron Troyer

Chief Science Officer



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Terpenes* Sample Data

Sample Type: Extracts Sample Date: 11/4/2019 Analysis Date: 11/5/2019 Report Date: 11/8/2019 Metrc Batch ID:

1A4010300016315000017656 Metrc Sample ID: 1A4010300016315000017909

Terpene Analysis Date: 11/6/2019 Terpene Batch ID: TRP_110519A Harvest/Process Date: 10/26/2019 Report ID:

LS-191107-23

Method: JAOAC 2015.1 Unit: %

Analyte	Avg.	Notes
β-Caryophyllene	5.48%	
Selinadiene	2.01%	
Humulene	1.74%	
β-Myrcene	1.12%	
Limonene	0.768%	-
a-Terpineol	0.461%	•
β-Farnesene 2	0.322%	•
α-Bisabolol	0.274%	•
Linalool	0.236%	•
Terpinolene	0.223%	•
β-Pinene	0.162%	•
a-Pinene	0.141%	•
Azulene	ND	
Borneol	ND	
Camphene	ND	
Camphore	ND	
Caryophyllene Oxide	ND	
Cedrol	ND	
Cymene	ND	
Eucalyptol	ND	
Fenchol	ND	
Fenchone	ND	
Geraniol	ND	
Geranyl Acetate	ND	
Guaiol	ND	
Isoborneol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	

Australia	A	Neter
Analyte	Avg.	Notes
Sabinene	ND	
Sabinene Hydrate	ND	
Valencene	ND	
cis-Nerolidol	ND	
trans-Nerolidol	ND	
∆3-Carene	ND	
a-Cedrene	ND	
a-Ocimene	ND	
α-Phellandrene	ND	
a-Terpinene	ND	
β-Farnesene 1	ND	
β-Ocimene	ND	
γ-Terpinene	ND	
γ-Terpineol	ND	
Total	12.9%	



Sample Type: Extracts

Sample Date: 11/4/2019

Analysis Date: 11/5/2019

Report Date: 11/8/2019

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303 - Fruit OG RCO 10.26.19

Metrc Batch ID:

Metrc Sample ID:

1A4010300016315000017656

1A4010300016315000017909

Pesticides Analysis Date: 11/5/2019

Pesticides Batch ID: PST 110519B

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653

Π

Malathion

Pesticides

Sample Data

	ata					
Analyte	JTP-MRX-MFP	XBB-RHD-WJM	Limits	LOQ	Notes	Status
Abamectin	ND	ND	0.5	0.1		Pass
Acephate	ND	ND	0.4	0.1		Pass
Acequinocyl	ND	ND	2.0	1.5		Pass
Acetamiprid	ND	ND	0.2	0.1		Pass
Aldicarb	ND	ND	0.4	0.1		Pass
Azoxystrobin	ND	ND	0.2	0.1		Pass
Bifenazate	ND	ND	0.2	0.1		Pass
Bifenthrin	ND	ND	0.2	0.1		Pass
Boscalid	ND	ND	0.4	0.1		Pass
Carbaryl	ND	ND	0.2	0.1		Pass
Carbofuran	ND	ND	0.2	0.1		Pass
Chlorantraniliprole	ND	ND	0.2	0.1		Pass
Chlorfenapyr	ND	ND	1.0	0.1		Pass
Chlorpyrifos	ND	ND	0.2	0.1		Pass
Clofentezine	ND	ND	0.2	0.1		Pass
Cyfluthrin	ND	ND	1.0	0.5		Pass
Cypermethrin	ND	ND	1.0	0.1		Pass
Daminozide	ND	ND	1.0	0.5		Pass
Diazinon	ND	ND	0.2	0.1		Pass
Dichlorvos (DDVP)	ND	ND	1.0	0.5		Pass
Dimethoate	ND	ND	0.2	0.1		Pass
Ethoprophos	ND	ND	0.2	0.1		Pass
Etofenprox	ND	ND	0.4	0.1		Pass
Etoxazole	ND	ND	0.2	0.1		Pass
Fenoxycarb	ND	ND	0.2	0.1		Pass
Fenpyroximate	ND	ND	0.4	0.1		Pass
Fipronil	ND	ND	0.4	0.1		Pass
Flonicamid	ND	ND	1.0	0.1		Pass
Fludioxonil	ND	ND	0.4	0.1		Pass
Hexythiazox	ND	ND	1.0	0.1		Pass
Imazalil	ND	ND	0.2	0.1		Pass
Imidacloprid	ND	ND	0.4	0.1		Pass
Kresoxim-methyl	ND	ND	0.4	0.1		Pass
		ND				_

ND

ND

0.2 0.1

Analyte	JTP-MRX-MFP	XBB-RHD-WJM	Limits	LOQ	Notes	Status
Metalaxyl	ND	ND	0.2	0.1		Pass
Methiocarb	ND	ND	0.2	0.1		Pass
Methomyl	ND	ND	0.4	0.1		Pass
Methyl Parathion	ND	ND	0.2	0.2		Pass
MGK-264	ND	ND	0.2	0.2		Pass
Myclobutanil	ND	ND	0.2	0.1		Pass
Naled	ND	ND	0.5	0.2		Pass
Oxamyl	ND	ND	1.0	0.1		Pass
Paclobutrazol	ND	ND	0.4	0.1		Pass
Permethrins	ND	ND	0.2	0.1		Pass
Phosmet	ND	ND	0.2	0.1		Pass
Piperonyl Butoxide	ND	ND	2.0	0.1		Pass
Prallethrin	ND	ND	0.2	0.1		Pass
Propiconazole	ND	ND	0.4	0.1		Pass
Propoxur	ND	ND	0.2	0.1		Pass
Pyrethrins	ND	ND	1.0	0.5		Pass
Pyridaben	ND	ND	0.2	0.1		Pass
Spinosad	ND	ND	0.2	0.1		Pass
Spiromesifen	ND	ND	0.2	0.1		Pass
Spirotetramat	ND	ND	0.2	0.1		Pass
Spiroxamine	ND	ND	0.4	0.1		Pass
Tebuconazole	ND	ND	0.4	0.1		Pass
Thiacloprid	ND	ND	0.2	0.1		Pass
Thiamethoxam	ND	ND	0.2	0.1		Pass
Trifloxystrobin	ND	ND	0.2	0.1		Pass

Harvest/Process Date: 10/26/2019

Pass 🥪

LS-191107-23

Method: EN 15662

Unit: µg/g (ppm)

Report ID:

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Pass



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Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 11/4/2019 Analysis Date: 11/5/2019 Report Date: 11/8/2019 Metrc Batch ID: 1A4010300016315000017656 Metrc Sample ID: 1A4010300016315000017909

Pesticides QC Analysis Date: 11/5/2019 Pesticides QC Batch ID: PST_110519B Harvest/Process Date: 10/26/2019 Report ID:

LS-191107-23

Method: EN 15662 Unit: μg/g (ppm)

Pesticides Quality Control Data

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	1.42	1.00	142	50 - 150	
Acephate	ND	0.1	0.684	1.00	68.4	50 - 150	
Acequinocyl	ND	1.5	ND	1.00	0.876	50 - 150	LR
Acetamiprid	ND	0.1	0.871	1.00	87.1	50 - 150	
Aldicarb	ND	0.1	0.802	1.00	80.2	50 - 150	
Azoxystrobin	ND	0.1	1.07	1.00	107	50 - 150	
Bifenazate	ND	0.1	0.870	1.00	87.0	50 - 150	
Bifenthrin	ND	0.1	1.49	1.00	149	50 - 150	
Boscalid	ND	0.1	0.906	1.00	90.6	50 - 150	
Carbaryl	ND	0.1	0.825	1.00	82.5	50 - 150	
Carbofuran	ND	0.1	0.967	1.00	96.7	50 - 150	
Chlorantraniliprole	ND	0.1	1.25	1.00	125	50 - 150	
Chlorfenapyr	ND	0.1	0.948	1.00	94.8	50 - 150	
Chlorpyrifos	ND	0.1	1.06	1.00	106	50 - 150	
Clofentezine	ND	0.1	1.33	1.00	133	50 - 150	
Cyfluthrin	ND	0.5	1.41	1.00	141	50 - 150	
Cypermethrin	ND	0.1	0.878	1.00	87.8	50 - 150	
Daminozide	ND	0.5	1.07	1.00	107	10 - 150	
Diazinon	ND	0.1	1.05	1.00	105	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.771	1.00	77.1	50 - 150	
Dimethoate	ND	0.1	0.944	1.00	94.4	50 - 150	
Ethoprophos	ND	0.1	0.835	1.00	83.5	50 - 150	
Etofenprox	ND	0.1	1.42	1.00	142	50 - 150	
Etoxazole	ND	0.1	1.47	1.00	147	50 - 150	
Fenoxycarb	ND	0.1	1.33	1.00	133	50 - 150	
Fenpyroximate	ND	0.1	1.08	1.00	108	50 - 150	
Fipronil	ND	0.1	0.859	1.00	85.9	50 - 150	
Flonicamid	ND	0.1	0.925	1.00	92.5	50 - 150	
Fludioxonil	ND	0.1	1.14	1.00	114	50 - 150	
Hexythiazox	ND	0.1	0.954	1.00	95.4	50 - 150	
Imazalil	ND	0.1	0.867	1.00	86.7	50 - 150	
Imidacloprid	ND	0.1	1.07	1.00	107	50 - 150	
Kresoxim-methyl	ND	0.1	1.09	1.00	109	50 - 150	
Malathion	ND	0.1	0.971	1.00	97.1	50 - 150	

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.30	1.00	130	50 - 150	
Methiocarb	ND	0.1	1.36	1.00	136	50 - 150	
Methomyl	ND	0.1	0.732	1.00	73.2	50 - 150	
Methyl Parathion	ND	0.2	0.330	1.00	33.0	30 - 150	
MGK-264	ND	0.2	2.24	0.600	373	50 - 150	HB
Myclobutanil	ND	0.1	1.08	1.00	108	50 - 150	
Naled	ND	0.2	1.04	1.00	104	50 - 150	
Oxamyl	ND	0.1	0.733	1.00	73.3	50 - 150	
Paclobutrazol	ND	0.1	0.730	1.00	73.0	50 - 150	
Permethrins	ND	0.1	1.24	1.00	124	50 - 150	
Phosmet	ND	0.1	1.11	1.00	111	50 - 150	
Piperonyl Butoxide	ND	0.1	1.06	1.00	106	50 - 150	
Prallethrin	ND	0.1	1.27	1.00	127	50 - 150	
Propiconazole	ND	0.1	1.27	1.00	127	50 - 150	
Propoxur	ND	0.1	0.924	1.00	92.4	50 - 150	
Pyrethrins	ND	0.5	2.55	1.00	255	50 - 150	HB
Pyridaben	ND	0.1	1.25	1.00	125	50 - 150	
Spinosad	ND	0.1	1.20	1.00	120	50 - 150	
Spiromesifen	ND	0.1	1.64	1.00	164	50 - 150	HB
Spirotetramat	ND	0.1	1.13	1.00	113	50 - 150	
Spiroxamine	ND	0.1	0.757	1.00	75.7	50 - 150	
Tebuconazole	ND	0.1	0.929	1.00	92.9	50 - 150	
Thiacloprid	ND	0.1	1.09	1.00	109	50 - 150	
Thiamethoxam	ND	0.1	1.19	1.00	119	50 - 150	
Trifloxystrobin	ND	0.1	1.16	1.00	116	50 - 150	



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303 - Fruit OG RCO 10.26.19

Farmer's Friend Extracts 6451 NF Colwood Wy Portland, OR 97218 503-442-8653

Xylenes

Sample Type: Extracts Sample Date: 11/4/2019 Analysis Date: 11/5/2019 Report Date: 11/8/2019

ND



Harvest/Process Date: 10/26/2019

Report ID:

LS-191107-23

Solvents Analysis Date: 11/6/2019 Method: EPA 5021A Pass ⊘ **Residual Solvents** Solvents Batch ID: RES 110619A Unit: µg/g (ppm) Sample Data Analyte JTP-MRX-MFP XBB-RHD-WJM RPD (%) Limits LOQ Notes Status 1,4-Dioxane 0.00 380.0 50.0 Pass ND ND 2-Butanol ND ND 0.00 5000.0 250.0 Pass 50.0 2-Ethoxvethanol ND 0.00 160.0 ND Pass Acetone <L0Q <L0Q 0.00 5000.0 250.0 Pass Acetonitrile ND ND 0.00 410.0 50.0 Pass Benzene ND ND 0.00 2.0 2.0 Pass Butanes ND ND 0.00 5000.0 250.0 Pass Cumene ND ND 0.00 70.0 50.0 Pass Cyclohexane ND ND 0.00 3880.0 50.0 Pass Ethyl Acetate 5000.0 250.0 Pass ND 0.00 ND Ethyl Ether ND ND 0.00 5000.0 250.0 Pass Ethylene Glycol ND ND 0.00 620.0 250.0 Pass Ethylene Oxide ND 0.00 50.0 50.0 Pass ND 5000.0 250.0 Heptane ND 0.00 ND Pass Hexanes ND ND 0.00 290.0 50.0 Pass Isopropanol (2-Propanol) 0.00 5000.0 50.0 ND ND Pass Isopropyl Acetate 5000.0 250.0 ND 0.00 Pass ND Methanol ND ND 0.00 3000.0 250.0 Pass Dichloromethane ND ND 0.00 600.0 50.0 Pass 250.0 Pentanes ND 0.00 5000.0 Pass ND 5000.0 250.0 Propane ND ND 0.00 Pass Tetrahydrofuran ND ND 0.00 720.0 50.0 Pass Toluene ND ND 0.00 890.0 50.0 Pass

0.00

2170.0

50.0

ND

Pass



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303 - Fruit OG RCO 10.26.19

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653

0

Residual Solvents

Quality Control Data

Sample Type: Extracts Sample Date: 11/4/2019 Analysis Date: 11/5/2019 Report Date: 11/8/2019 Metrc Batch ID: 1A4010300016315000017656 Metrc Sample ID: 1A4010300016315000017909 Harvest/Process Date: 10/26/2019 Report ID:

LS-191107-23

Solvents QC Analysis Date: 11/6/2019 Solvents QC Batch ID: RES_110619A Method: EPA 5021A Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	1030	1000	103	70 - 130	
2-Butanol	ND	250.0	1090	1000	109	70 - 130	
2-Ethoxyethanol	ND	50.0	996	1000	99.6	70 - 130	
Acetone	ND	250.0	985	1000	98.5	70 - 130	
Acetonitrile	ND	50.0	1170	1000	117	70 - 130	
Benzene	ND	2.0	17.7	20.0	88.5	70 - 130	
Butanes	ND	250.0	2220	2000	111	70 - 130	
Cumene	ND	50.0	1110	1000	111	70 - 130	
Cyclohexane	ND	50.0	955	1000	95.5	70 - 130	
Ethyl Acetate	ND	250.0	1050	1000	105	70 - 130	
Ethyl Ether	ND	250.0	911	1000	91.1	70 - 130	
Ethylene Glycol	ND	250.0	932	1000	93.2	70 - 130	
Ethylene Oxide	ND	50.0	1040	1000	104	70 - 130	
Heptane	ND	250.0	1090	1000	109	70 - 130	
Hexanes	ND	50.0	5230	5000	105	70 - 130	
Isopropanol (2-Propanol)	<l0q< td=""><td>50.0</td><td>1070</td><td>1000</td><td>107</td><td>70 - 130</td><td></td></l0q<>	50.0	1070	1000	107	70 - 130	
Isopropyl Acetate	ND	250.0	1110	1000	111	70 - 130	
Methanol	ND	250.0	894	1000	89.4	70 - 130	
Dichloromethane	ND	50.0	978	1000	97.8	70 - 130	
Pentanes	ND	250.0	3150	3000	105	70 - 130	
Propane	ND	250.0	855	1000	85.5	70 - 130	
Tetrahydrofuran	ND	50.0	1130	1000	113	70 - 130	
Toluene	ND	50.0	1080	1000	108	70 - 130	
Xylenes	ND	50.0	4920	4000	123	70 - 130	



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 Metrc Batch ID:

 1A4010300016315000017656

 Metrc Sample ID:

 1A4010300016315000017909

Harvest/Process Date: 10/26/2019 Report ID:

LS-191107-23

Qualifier Flag Descriptions

- J Reported result is an estimate the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
- U The analyte was not detected in the sample at the estimated detection limit (EDL)
- E Exceeds calibration range
- D Dilution data result was obtained from the analysis of a dilution
- B Analyte found in sample and associated blank
- C Co-eluting compound
- R Relative Percent Difference (RPD) outside control limits
- NR Analyte not reported because of problems in sample preparation or analysis
- ND Non-Detect
- X Results from reinjection/repeat/re-column data
- EMC Estimated maximum possible concentration indicates that a peak is detected but did not meet the method required criteria
- M Manual integration
- PS Peaks split
- HB Control acceptance criteria are exceeded high and the associated sample is below the detection limit
- LB Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
- ME Marginal Exceedance
- LR Low Recovery Analyte
- LOQ Limit of Quantitation