

info@lightscale.com 7 ORELAP #4112 OLCC #010-1003340D344

529 - OG78 RCO 10.26.20

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 10/27/2020 Analysis Date: 10/28/2020 Report Date: 10/29/2020 Metrc Batch ID: 1A4010300016315000027787 Metrc Sample ID: 1A4010300016315000027842 Harvest/Process Date: 10/26/2020 Report ID: LS-201029-25 Sample Plan ID:SP-201027-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 10/28/2020 Potency Batch ID: CAN_102820B Potency Method: JAOAC 2015.1

Total CBD
Total THC

Samples: NXC-BHB-XNJ, CBS-BNC-SDG

Analyte	Description	LOQ	RPD	Min.	Max.	Avg.
Δ9THC	Delta-9 Tetrahydrocannabinol	0.16	1.34	25.8	26.1	25.9
THCA	Tetrahydrocannabinolic acid	0.16	0.00	ND	ND	ND
CBD	Cannabidiol	0.16	3.58	45.5	47.1	46.3
CBDA	Cannabidiolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""></l0q<></td></l0q<>	<l0q< td=""></l0q<>
∆8THC	Delta-8 Tetrahydrocannabinol*	0.16	54.6	ND	0.280	0.140
THCV	Tetrahydrocannabivarin*	0.16	28.0	ND	0.212	0.106
CBG	Cannabigerol*	0.16	10.5	2.40	2.67	2.54
CBGA	Cannabigerolic acid*	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""></l0q<></td></l0q<>	<l0q< td=""></l0q<>
CBC	Cannabichromene*	0.16	10.7	0.911	1.01	0.962
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND
CBN	Cannabinol	0.16	35.5	0.287	0.411	0.349
Total THC	Δ9THC + (THCA × 0.877)		1.34	25.8	26.1	25.9
Total CBD	CBD + (CBDA × 0.877)		3.58	45.5	47.1	46.3
Total			0.748	74.9	77.8	76.3

Compliance

Pesticides	Within limits	Analysis Date: 10/28/2020	Pass ⊘
Solvents	Within limits	Analysis Date: 10/28/2020	Pass ⊘
Potency	Within limits	Analysis Date: 10/28/2020	Pass ⊘

Bryce Kidd, Ph.D. Lab Director

Aaron Troyer

Chief Science Officer

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Terpenes* Sample Data

Sample Type: Extracts Sample Date: 10/27/2020 Analysis Date: 10/28/2020 Report Date: 10/29/2020

Metrc Batch ID: 1A4010300016315000027787 Metrc Sample ID:

1A4010300016315000027842

Harvest/Process Date: 10/26/2020 Report ID: | S-201029-25 Sample Plan ID:SP-201027-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Terpene Analysis Date: 10/28/2020 Terpene Batch ID: TRP 102920A

Method: JAOAC 2015.1 Unit: %

Analyte	Avg.	Notes
β-Caryophyllene	1.76%	
Humulene	0.542%	
α-Bisabolol	0.303%	-
Guaiol	0.173%	-
Limonene	0.164%	-
Linalool	0.144%	-
β-Myrcene	0.129%	•
Terpinolene	0.105%	•
Caryophyllene Oxide	0.0870%	•
a-Terpineol	0.0722%	•
β-Ocimene	0.0521%	•
β-Pinene	0.0369%	•
Selinadiene	0.0364%	•
Sabinene	0.0316%	•
trans-Nerolidol	0.0274%	•
a-Pinene	0.0210%	•
α-Terpinene	0.00733%	•
γ-Terpinene	0.00578%	•
∆3-Carene	0.00505%	•
Fenchone	0.00431%	•
Camphene	0.00411%	•
Eucalyptol	0.00404%	•
Azulene	ND	
Borneol	ND	
Camphore	ND	
Cedrol	ND	
Cymene	ND	
Fenchol	ND	
Geraniol	ND	

Analyte	Avg.	Notes
Geranyl Acetate	ND	
Isoborneol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	
Sabinene Hydrate	ND	
Valencene	ND	
cis-Nerolidol	ND	
a-Cedrene	ND	
a-Ocimene	ND	
α-Phellandrene	ND	
β-Farnesene 1	ND	
β-Farnesene 2	ND	
γ-Terpineol	ND	
Total	3.72%	



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

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Pesticides

Sample Data

Sample Type: Extracts Sample Date: 10/27/2020 Analysis Date: 10/28/2020 Report Date: 10/29/2020

Metrc Batch ID: 1A4010300016315000027787 Metrc Sample ID: 1A4010300016315000027842 Harvest/Process Date: 10/26/2020 Report ID: LS-201029-25 Sample Plan ID:SP-201027-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Pesticides Analysis Date: 10/28/2020 Pesticides Batch ID: PST_102820C **Method**: EN 15662 **Unit:** μg/g (ppm)

Pass ⊘

Analyte	NXC-BHB-XNJ	CBS-BNC-SDG	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
Malathion	ND	ND	0.2	0.1		Pass

Analyte	NXC-BHB-XNJ	CBS-BNC-SDG	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	1.0		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



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Pesticides QC Analysis Date: 10/28/2020 Pesticides QC Batch ID: PST_102820C 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	0.908	1.00	90.8	50 - 150	
Acephate	ND	0.1	0.965	1.00	96.5	50 - 150	
Acequinocyl	ND	1.5	0.929	1.00	92.9	50 - 150	
Acetamiprid	ND	0.1	0.913	1.00	91.3	50 - 150	
Aldicarb	ND	0.1	0.923	1.00	92.3	50 - 150	
Azoxystrobin	ND	0.1	1.00	1.00	100	50 - 150	
Bifenazate	ND	0.1	1.04	1.00	104	50 - 150	
Bifenthrin	ND	0.1	0.975	1.00	97.5	50 - 150	
Boscalid	ND	0.1	1.08	1.00	108	50 - 150	
Carbaryl	ND	0.1	0.902	1.00	90.2	50 - 150	
Carbofuran	ND	0.1	0.899	1.00	89.9	50 - 150	
Chlorantraniliprole	ND	0.1	1.08	1.00	108	50 - 150	
Chlorfenapyr	ND	0.1	0.826	1.00	82.6	50 - 150	
Chlorpyrifos	ND	0.1	0.934	1.00	93.4	50 - 150	
Clofentezine	ND	0.1	0.994	1.00	99.4	50 - 150	
Cyfluthrin	ND	0.5	0.963	1.00	96.3	50 - 150	
Cypermethrin	ND	0.1	0.953	1.00	95.3	50 - 150	
Daminozide	ND	0.5	0.480	1.00	48.0	10 - 150	
Diazinon	ND	0.1	0.878	1.00	87.8	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.790	1.00	79.0	50 - 150	
Dimethoate	ND	0.1	0.974	1.00	97.4	50 - 150	
Ethoprophos	ND	0.1	0.945	1.00	94.5	50 - 150	
Etofenprox	ND	0.1	0.963	1.00	96.3	50 - 150	
Etoxazole	ND	0.1	0.946	1.00	94.6	50 - 150	
Fenoxycarb	ND	0.1	1.06	1.00	106	50 - 150	
Fenpyroximate	ND	0.1	0.936	1.00	93.6	50 - 150	
Fipronil	ND	0.1	0.910	1.00	91.0	50 - 150	
Flonicamid	ND	0.1	0.967	1.00	96.7	50 - 150	
Fludioxonil	ND	0.1	0.917	1.00	91.7	50 - 150	
Hexythiazox	ND	0.1	0.784	1.00	78.4	50 - 150	
Imazalil	ND	0.1	1.01	1.00	101	50 - 150	
Imidacloprid	ND	0.1	0.987	1.00	98.7	50 - 150	
Kresoxim-methyl	ND	0.1	0.916	1.00	91.6	50 - 150	
Malathion	ND	0.1	0.940	1.00	94.0	50 - 150	

Metalaxyl ND 0.1 0.963 1.00 96.3 50 150 Methiocarb ND 0.1 0.960 1.00 96.0 50 150 Methiocarb ND 0.1 0.866 1.00 86.6 50 150 Methoyl ND 0.2 1.14 1.00 114 30 150 Methyl Parathion ND 0.2 1.14 1.00 114 30 150 MgK-264 ND 0.2 0.514 0.600 85.6 50 150 Myclobutanil ND 0.1 1.07 1.00 107 50 150 Naled ND 0.1 0.812 1.00 88.2 50 150 Oxamyl ND 0.1 0.908 1.00 90.8 50 150 Permethrins ND 0.1 0.904 1.00 90.4 50 150 Piperonyl Butoxide ND 0.1 <t< th=""></t<>
Methomyl ND 0.1 0.866 1.00 86.6 50 - 150 Methyl Parathion ND 0.2 1.14 1.00 114 30 - 150 MGK-264 ND 0.2 0.514 0.600 85.6 50 - 150 Myclobutanil ND 0.1 1.07 1.00 107 50 - 150 Naled ND 0.1 0.810 1.00 88.2 50 - 150 Oxamyl ND 0.1 0.810 1.00 88.2 50 - 150 Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Permethrins ND 0.1 1.02 1.00 90.4 50 - 150 Piperonyl Butoxide ND 0.1 0.952 1.00 95.2 50 - 150 Propiconazole ND 0.1 1.12
Methyl Parathion ND 0.2 1.14 1.00 114 30 - 150 MGK-264 ND 0.2 0.514 0.600 85.6 50 - 150 Myclobutanil ND 0.1 1.07 1.00 107 50 - 150 Naled ND 0.1 0.77 1.00 88.2 50 - 150 Oxamyl ND 0.1 0.810 1.00 88.2 50 - 150 Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Pacmethrins ND 0.1 1.02 1.00 90.8 50 - 150 Phosmet ND 0.1 0.994 1.00 90.4 50 - 150 Prallethrin ND 0.1 0.994 1.00 95.2 50 - 150 Propiconazole ND 0.1 0.922 <th1< td=""></th1<>
MGK-264 ND 0.2 0.514 0.600 85.6 50 - 150 Myclobutanil ND 0.1 1.07 1.00 107 50 - 150 Naled ND 0.2 0.882 1.00 88.2 50 - 150 Oxamyl ND 0.1 0.810 1.00 81.0 50 - 150 Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Permethrins ND 0.1 1.02 1.00 102 50 - 150 Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Priperonyl Butoxide ND 0.1 0.992 1.00 95.2 50 - 150 Propiconazole ND 0.1 0.844 1.00 84.4 50 - 150 Propoxur ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.1
MyclobutanilND0.11.071.0010750-150NaledND0.20.8821.0088.250-150OxamylND0.10.8101.0081.050-150PaclobutrazolND0.10.9081.0090.850-150PermethrinsND0.11.021.0010250-150PhosmetND0.10.9941.0099.450-150Piperonyl ButoxideND1.00.9521.0095.250-150PropiconazoleND0.11.121.0011250-150PropoxurND0.10.9221.0092.250-150PyrethrinsND0.50.6231.0062.350-150PyridabenND0.10.9751.0097.550-150
Naled ND 0.2 0.882 1.00 88.2 50 - 150 Oxamyl ND 0.1 0.810 1.00 81.0 50 - 150 Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Permethrins ND 0.1 1.02 1.00 102 50 - 150 Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Piperonyl Butoxide ND 0.1 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Pyrethrins ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.
Oxamyl ND 0.1 0.810 1.00 81.0 50 - 150 Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Permethrins ND 0.1 1.02 1.00 102 50 - 150 Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Piperonyl Butoxide ND 0.1 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Pyrethrins ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND <
Paclobutrazol ND 0.1 0.908 1.00 90.8 50 - 150 Permethrins ND 0.1 1.02 1.00 102 50 - 150 Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Piperonyl Butoxide ND 0.1 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Pyrethrins ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 92.2 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Permethrins ND 0.1 1.02 1.00 102 50 - 150 Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Piperonyl Butoxide ND 1.0 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Propiconazole ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Phosmet ND 0.1 0.994 1.00 99.4 50 - 150 Piperonyl Butoxide ND 1.0 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Propoxur ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Piperonyl Butoxide ND 1.0 0.952 1.00 95.2 50 - 150 Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Propoxur ND 0.1 0.22 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Prallethrin ND 0.1 0.844 1.00 84.4 50 - 150 Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Propoxur ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 92.5 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Propiconazole ND 0.1 1.12 1.00 112 50 - 150 Propoxur ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Propoxur ND 0.1 0.922 1.00 92.2 50 - 150 Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Pyrethrins ND 0.5 0.623 1.00 62.3 50 - 150 Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
Pyridaben ND 0.1 0.975 1.00 97.5 50 - 150
-
Spinosad ND 0.1 1.00 1.00 100 50 - 150
Spiromesifen ND 0.1 0.927 1.00 92.7 50 - 150
Spirotetramat ND 0.1 0.990 1.00 99.0 50 - 150
Spiroxamine ND 0.1 1.21 1.00 121 50 - 150
Tebuconazole ND 0.1 1.09 1.00 109 50 - 150
Thiacloprid ND 0.1 0.920 1.00 92.0 50 - 150
Thiamethoxam ND 0.1 0.986 1.00 98.6 50 - 150
Trifloxystrobin ND 0.1 0.979 1.00 97.9 50 - 150

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Solvents Analysis Date: 10/28/2020 Solvents Batch ID: RES_102820A **Method**: EPA 5021A **Unit:** μg/g (ppm) Pass 🥪

1.4-Dioxane ND ND 0.00 380.0 59.0 Pass 2-Butanol ND ND 0.00 5000.0 259.0 Pass 2-Ethoxyethanol ND ND 0.00 160.0 50.0 Pass 2-Ethoxyethanol ND ND 0.00 5000.0 258.0 Pass Acetone ND ND 0.00 410.0 56.0 Pass Acetone ND ND 0.00 2.0 2.0 Pass Benzene ND ND 0.00 5000.0 250.0 Pass Cyclohexane ND ND 0.00 7.0 55.0 Pass Ethyl Acetate ND ND 0.00 3880.0 50.0 Pass Ethyl Acetate ND ND 0.00 250.0 Pass Pass Ethylane Oxide ND ND 0.00 600.0 250.0 Pass Icopropanol (2-Propanol) ND ND	Analyte	NXC-BHB-XNJ	CBS-BNC-SDG	RPD (%)	Limits	LOQ	Notes	Status
2-EthoxyethanolNDNDND0.000.00500.050.0ParsAcetonicNDND0.004.10.050.0ParsAcetonitrileNDND0.002.02.0ParsButanesNDND0.00500.0250.0ParsCuenenNDND0.00500.0250.0ParsCyclohexaneNDND0.003880.050.0ParsCyclohexaneNDND0.00500.0250.0ParsEthyl AcetateNDND0.00500.0250.0ParsEthyl AcetateNDND0.00500.0250.0ParsEthylane OxideNDND0.00500.0250.0ParsEthylane OxideNDND0.00500.050.0ParsIbylane OxideNDND0.00500.050.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00500.0ParsIbylane OxideNDND0.00600.050.0Ibyl				. ,				
AcetonNDND0.005.000.02.50.0PassAcetonitrileNDND0.004.10.056.0PassButanesNDND0.002.002.0PassCueneNDND0.005000.0250.0PassCueneNDND0.003800.050.0PassCyclohexaneNDND0.003800.0250.0PassEthyl AcetateNDND0.005000.0250.0PassEthyl LetherNDND0.006.00250.0PassEthylene GlycolNDND0.005000.0250.0PassEthylene ChideNDND0.005000.0250.0PassEthylene ChideNDND0.005000.0250.0PassEthylene ChideNDND0.005000.0250.0PassEthylene ChideNDND0.005000.0250.0PassEthylene ChideNDND0.005000.0250.0PassIsopropanol (2-Propanol)NDND0.005000.0250.0PassEthilonNDND0.005000.0250.0PassIsopropanol (2-Propanol)NDND0.005000.0250.0PassIsopropanol (2-PropanolNDND0.005000.0250.0PassIsopropanol (2-PropanolNDND0.00600.0500.0<	2-Butanol	ND	ND	0.00	5000.0	250.0		Pass
ActonitrileNDND0.00410.050.0PartBenzeneNDND0.002.02.0PartButanesNDND0.00500.0250.0PartCueneNDND0.00380.050.0PartCyclohxaneNDND0.00500.0250.0PartEthyl AcetateNDND0.00500.0250.0PartEthyl LetterNDND0.00500.0250.0PartEthylene GlycolNDND0.00500.0250.0PartHexanesNDND0.00500.0250.0PartIsopropanol (2-Propanol)NDND0.00500.0250.0PartIsopropanol (2-Propanol)NDND0.00600.0500.0250.0PartIsopropanol (2-Propanol)NDND0.00600.0500.0250.0PartIsopropanol (2-Propanol)NDND0.00600.0500.0250.0PartIsopropanol (2-Propanol)NDND0.00600.0500.0PartPartIsopropanol (2-Propanol)NDND0.00600.0500.0PartIsopropanol (2-PropanolNDND0.00600.0500.0PartIsopropanol (2-PropanolNDND0.00600.0500.0PartIsopropanol (2-PropanolNDND0.00600.0500.0Part </td <td>2-Ethoxyethanol</td> <td>ND</td> <td>ND</td> <td>0.00</td> <td>160.0</td> <td>50.0</td> <td></td> <td>Pass</td>	2-Ethoxyethanol	ND	ND	0.00	160.0	50.0		Pass
BenzeneNDND0.002.02.0PartButanesNDND0.00590.0250.0PartCumeneNDND0.0070.050.0PartCyclohexaneNDND0.00388.050.0PartEthyl AcetteNDND0.00590.0250.0PartEthyl AcetteNDND0.00590.0250.0PartEthyl EtherNDND0.00500.0250.0PartEthylene OxideNDND0.00500.0250.0PartHexanesNDND0.00500.0250.0PartIsopropanol (2-Propanol)NDND0.00500.0250.0PartDichloromethaneNDND0.00600.0250.0PartPartanesNDND0.00600.0250.0PartPorpaneNDND0.00500.0250.0PartPorpaneNDND0.00600.0250.0PartPorpaneNDND0.00600.0250.0PartPorpaneNDND0.00500.0250.0PartPorpaneNDND0.00500.0250.0PartPorpaneNDND0.00500.0250.0PartPorpaneNDND0.00500.0250.0PartPorpaneNDND0.00600.050.	Acetone	ND	ND	0.00	5000.0	250.0		Pass
NutanesNDND0.005000.0250.0PassCumeneNDND0.0070.050.0PassCyclohxaneNDND0.003800.050.0PassEthyl AcetateNDND0.005000.0250.0PassEthyl AcetateNDND0.006000.0250.0PassEthyl AcetateNDND0.006000.0250.0PassEthylane GlycolNDND0.006000.0250.0PassEthylane OxideNDND0.005000.0250.0PassHeptaneNDND0.005000.0250.0PassIsopropanol (2-Propanol)NDND0.005000.0250.0PassIsopropanol (2-Propanol)NDND0.00600.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0PassIchloromethaneNDND0.005000.0250.0 <td>Acetonitrile</td> <td>ND</td> <td>ND</td> <td>0.00</td> <td>410.0</td> <td>50.0</td> <td></td> <td>Pass</td>	Acetonitrile	ND	ND	0.00	410.0	50.0		Pass
CureneNDND0.0070.050.0ParsCyclohexaneNDND0.003880.050.0ParsEthyl AcetateNDND0.005600.0250.0ParsEthyl LtherNDND0.005000.0250.0ParsEthylane GlycolNDND0.00500.0250.0ParsEthylane OxideNDND0.00500.0250.0ParsHertaneNDND0.00500.0250.0ParsIsopropanol (2-Propanol)NDND0.00500.0250.0ParsIsopropyl AcetateNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0500.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0ParsIchhloromethaneNDND0.00500.0250.0 <t< td=""><td>Benzene</td><td>ND</td><td>ND</td><td>0.00</td><td>2.0</td><td>2.0</td><td></td><td>Pass</td></t<>	Benzene	ND	ND	0.00	2.0	2.0		Pass
CyclohexaneNDND0.003880.050.0PassEthyl AcetateNDND0.005900.0250.0PassEthyl EtherNDND0.005000.0250.0PassEthylane GlycolNDND0.00620.0250.0PassEthylane GlycolNDND0.00500.0250.0PassHeptaneNDND0.00500.0250.0PassIsopropanol (2-Propanol)NDND0.00500.0500.0PassIsopropyl AcetateNDND0.00500.0250.0PassPentanesNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPortanesNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0.005000.0250.0PassPorpaneNDND0	Butanes	ND	ND	0.00	5000.0	250.0		Pass
Ethyl AcetateNDND0.005000.0250.0PassEthyl EtherNDND0.005000.0250.0PassEthylene GlycolNDND0.00620.0250.0PassEthylene CxideNDND0.005000.0250.0PassHeptaneNDND0.005000.0250.0PassHexanesNDND0.005000.0250.0PassIsopropanol (2-Propanol)NDND0.005000.0250.0PassMethanolNDND0.005000.0250.0PassPotanesNDND0.005000.0250.0PassPotanesNDND0.005000.0250.0PassPotanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPotanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.00720.050.0PassPropaneNDND0.00800.0250.0PassPropaneNDND0.00600.050.0PassPotanesNDND0.00600.	Cumene	ND	ND	0.00	70.0	50.0		Pass
Ethyl EtherNDNDND0.005000.0250.0PassEthylene GlycolNDND0.00620.0250.0PassEthylene OxideNDND0.00500.050.0PassHeptaneNDND0.005000.0250.0PassHexanesNDND0.005000.0500.0PassIsopropanol (2-Propanol)NDND0.005000.0250.0PassNethanolNDND0.005000.0250.0PassDichloromethaneNDND0.00600.0500.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.00500.0250.0PassPropaneNDND0.00500.0250.0PassPropaneNDND0.00500.0250.0PassPropaneNDND0.00500.0250.0PassPropaneNDND0.00500.0500.0PassPropaneNDND0.00500.0500.0PassPropaneNDND0.00 <td>Cyclohexane</td> <td>ND</td> <td>ND</td> <td>0.00</td> <td>3880.0</td> <td>50.0</td> <td></td> <td>Pass</td>	Cyclohexane	ND	ND	0.00	3880.0	50.0		Pass
Ethylene GlycolNDND 0.00 620.0 250.0 PassEthylene OxideNDND 0.00 50.0 50.0 PassHeptaneNDND 0.00 500.0 250.0 PassHexanesNDND 0.00 290.0 50.0 PassIsopropanol (2-Propanol)NDND 0.00 500.0 50.0 PassIsopropyl AcetateNDND 0.00 500.0 250.0 PassDichloromethaneNDND 0.00 600.0 250.0 PassPropaneNDND 0.00 5000.0 250.0 PassTetrahydrofuranNDND 0.00 5000.0 250.0 PassNDND 0.00 5000.0 250.0 PassPropaneNDND 0.00 5000.0 250.0 PassItationaNDND 0.00 5000.0 250.0 PassNDND 0.00 5000.0 250.0 PassNDND 0.00 5000.0 50.0 P	Ethyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Ethylene OxideNDND $\theta.0\theta$ $50.\theta$ $50.\theta$ $90.\theta$ HeptaneNDND 0.0θ $500.\theta$ $250.\theta$ PassHexanesNDND 0.0θ $290.\theta$ $50.\theta$ PassIsopropanol (2-Propanol)NDND 0.0θ $5000.\theta$ $50.\theta$ PassIsopropyl AcetateNDND 0.0θ $5000.\theta$ $250.\theta$ PassDichloromethaneNDND 0.0θ $3000.\theta$ $250.\theta$ PassPentanesNDND 0.0θ $5000.\theta$ $250.\theta$ PassPropaneNDND 0.0θ $5000.\theta$ $250.\theta$ PassTetrahydrofuranNDND 0.0θ $5000.\theta$ $250.\theta$ PassNDND 0.0θ $5000.\theta$ $250.\theta$ Pass $720.\theta$ $50.\theta$	Ethyl Ether	ND	ND	0.00	5000.0	250.0		Pass
HeptaneNDND0.005000.0250.0PassHexanesNDND0.00290.050.0PassIsopropanol (2-Propanol)NDND0.005000.050.0PassIsopropyl AcetateNDND0.005000.0250.0PassMethanolNDND0.00600.0250.0PassDichloromethaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.005000.0250.0PassNDND0.005000.0250.0PassPassNDND0.005000.0250.0PassPassNDND0.005000.0250.0PassPassNDND0.005000.0250.0PassPassNDND0.005000.0250.0PassPassNDND0.005000.050.0PassPassNDND0.00800.050.0PassPassNDND0.00800.050.0PassPassNDND0.00800.050.0PassPassNDND0.00800.050.0800.0PassNDND0.00800.050.0800.0Pass	Ethylene Glycol	ND	ND	0.00	620.0	250.0		Pass
HexanesNDND0.00290.050.0PassIsopropanol (2-Propanol)NDND0.005000.050.0PassIsopropyl AcetateNDND0.005000.0250.0PassMethanolNDND0.003000.0250.0PassDichloromethaneNDND0.005000.0250.0PassPentanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.005000.0250.0PassTolueneNDND0.005000.0250.0PassNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTotueneNDND0.005000.050.0PassNDND0.005000.050.0PassPassNDND0.005000.050.0PassPassNDND0.00500.050.0PassPassNDND0.00890.050.0PassPassNDND0.00890.050.0PassPassNDND0.00890.050.0PassPassNDND0.00890.050.0PassPassNDND0.00890.050.0800.0Pass </td <td>Ethylene Oxide</td> <td>ND</td> <td>ND</td> <td>0.00</td> <td>50.0</td> <td>50.0</td> <td></td> <td>Pass</td>	Ethylene Oxide	ND	ND	0.00	50.0	50.0		Pass
Isopropanol (2-Propanol)NDND0.005000.050.0PassIsopropyl AcetateNDND0.005000.0250.0PassMethanolNDND0.003000.0250.0PassDichloromethaneNDND0.00600.0500.0PassPentanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.005000.0500.0PassTolueneNDND0.00500.050.0Pass	Heptane	ND	ND	0.00	5000.0	250.0		Pass
Isopropyl AcetateNDND 0.00 500.0 250.0 PassMethanolNDND 0.00 3000.0 250.0 PassDichloromethaneNDND 0.00 600.0 50.0 PassPentanesNDND 0.00 5000.0 250.0 PassPropaneNDND 0.00 5000.0 250.0 PassTetrahydrofuranNDND 0.00 5000.0 50.0 PassTolueneNDND 0.00 500.0 50.0 Pass	Hexanes	ND	ND	0.00	290.0	50.0		Pass
MethanolNDND0.003000.0250.0PassDichloromethaneNDND0.00600.050.0PassPentanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.00500.050.0PassTolueneNDND0.00500.050.0Pass	Isopropanol (2-Propanol)	ND	ND	0.00	5000.0	50.0		Pass
DichloromethaneNDND0.00600.050.0PassPentanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.00720.050.0PassTolueneNDND0.00890.050.0Pass	Isopropyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
PentanesNDND0.005000.0250.0PassPropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.00720.050.0PassTolueneNDND0.00890.050.0Pass	Methanol	ND	ND	0.00	3000.0	250.0		Pass
PropaneNDND0.005000.0250.0PassTetrahydrofuranNDND0.00720.050.0PassTolueneNDND0.00890.050.0Pass	Dichloromethane	ND	ND	0.00	600.0	50.0		Pass
TetrahydrofuranNDND0.00720.050.0PassTolueneNDND0.00890.050.0Pass	Pentanes	ND	ND	0.00	5000.0	250.0		Pass
Toluene ND ND 0.00 890.0 50.0 Pass	Propane	ND	ND	0.00	5000.0	250.0		Pass
	Tetrahydrofuran	ND	ND	0.00	720.0	50.0		Pass
Xylenes ND 0.00 2170.0 50.0 Pass	Toluene	ND	ND	0.00	890.0	50.0		Pass
	Xylenes	ND	ND	0.00	2170.0	50.0		Pass



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

529 - OG78 RCO 10.26.20

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

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Residual Solvents

Quality Control Data

Sample Type: Extracts Sample Date: 10/27/2020 Analysis Date: 10/28/2020 Report Date: 10/29/2020 Metrc Batch ID: 1A4010300016315000027787 Metrc Sample ID: 1A4010300016315000027842 Harvest/Process Date: 10/26/2020 Report ID: LS-201029-25 Sample Plan ID:SP-201027-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Solvents QC Analysis Date: 10/28/2020 Solvents QC Batch ID: RES_102820A Method: EPA 5021A Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	924	1000	92.4	70 - 130	
2-Butanol	ND	250.0	838	1000	83.8	70 - 130	
2-Ethoxyethanol	ND	50.0	865	1000	86.5	70 - 130	
Acetone	ND	250.0	897	1000	89.7	70 - 130	
Acetonitrile	ND	50.0	912	1000	91.2	70 - 130	
Benzene	ND	2.0	17.2	20.0	85.8	70 - 130	
Butanes	ND	250.0	1760	2000	88.2	70 - 130	
Cumene	ND	50.0	913	1000	91.3	70 - 130	
Cyclohexane	ND	50.0	912	1000	91.2	70 - 130	
Ethyl Acetate	ND	250.0	856	1000	85.6	70 - 130	
Ethyl Ether	ND	250.0	908	1000	90.8	70 - 130	
Ethylene Glycol	ND	250.0	836	1000	83.6	70 - 130	
Ethylene Oxide	ND	50.0	835	1000	83.5	70 - 130	
Heptane	ND	250.0	833	1000	83.3	70 - 130	
Hexanes	ND	50.0	4370	5000	87.3	70 - 130	
Isopropanol (2-Propanol)	ND	50.0	848	1000	84.8	70 - 130	
Isopropyl Acetate	ND	250.0	844	1000	84.4	70 - 130	
Methanol	ND	250.0	912	1000	91.2	70 - 130	
Dichloromethane	ND	50.0	864	1000	86.4	70 - 130	
Pentanes	ND	250.0	2660	3000	88.7	70 - 130	
Propane	ND	250.0	918	1000	91.8	70 - 130	
Tetrahydrofuran	ND	50.0	873	1000	87.3	70 - 130	
Toluene	ND	50.0	883	1000	88.3	70 - 130	
Xylenes	ND	50.0	3480	4000	87.0	70 - 130	



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

529 - OG78 RCO 10.26.20

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 10/27/2020 Analysis Date: 10/28/2020 Report Date: 10/29/2020
 Metrc Batch ID:

 1A4010300016315000027787

 Metrc Sample ID:

 1A4010300016315000027842

Harvest/Process Date: 10/26/2020 Report ID: LS-201029-25 Sample Plan ID:SP-201027-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

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