

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/13/2020 Analysis Date: 4/14/2020 Report Date: 4/17/2020

Metrc Batch ID: 1A4010300016315000024133 Metrc Sample ID: 1A4010300016315000024134 Harvest/Process Date: 4/12/2020 Report ID: LS-200417-6 Sample Plan ID:SP-200413-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 4/15/2020 Potency Batch ID: CAN_041520C Potency Method: JAOAC 2015.1

81.7%

Total THC

0.216%

Total CBD

Samples: WNS-SZX-MXX, RZS-WTW-DCZ



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit: %
Δ9ΤΗС	Delta-9 Tetrahydrocannabinol	0.16	2.26	80.8	82.6	81.7	
THCA	Tetrahydrocannabinolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
CBD	Cannabidiol	0.16	0.740	0.215	0.217	0.216	•
CBDA	Cannabidiolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.16	14.3	0.723	0.834	0.778	•
CBG	Cannabigerol*	0.16	5.73	1.95	2.06	2.00	•
CBGA	Cannabigerolic acid*	0.16	2.04	ND	0.163	0.0817	•
CBC	Cannabichromene*	0.16	1.68	2.02	2.05	2.04	•
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	9.88	0.809	0.893	0.851	•
Total THC	Δ9THC + (THCA × 0.877)		2.26	80.8	82.6	81.7	
Total CBD	CBD + (CBDA × 0.877)		0.740	0.215	0.217	0.216	•
Total			2.04	86.5	88.9	87.7	

Compliance

Pesticides	Within limits	Analysis Date: 4/16/2020	Pass 🛇
Solvents	Within limits	Analysis Date: 4/14/2020	Pass 🕢
Potency	Within limits	Analysis Date: 4/15/2020	Pass 🕢

Bryce Kidd, Ph.D. Lab Director

Aaron Troyer
Chief Science Officer





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Terpene	Analysis Date: 4/14/20	20
Terpene	Batch ID: TRP_041420/	A

Method: JAOAC 2015.1

Unit: %

Analyte	Avg.	Notes
β-Caryophyllene	1.95%	
Humulene	0.627%	
α-Bisabolol	0.566%	
α-Terpineol	0.0600%	
Selinadiene	0.0318%	
Guaiol	0.0253%	
Linalool	0.0248%	
Cymene	0.0233%	
Fenchol	0.0224%	
α-Terpinene	0.0203%	
Limonene	0.0162%	
β-Myrcene	0.0141%	
Δ3-Carene	0.0121%	
γ-Terpinene	0.0100%	
Terpinolene	0.00980%	
Borneol	0.00701%	
β-Pinene	0.00624%	
α-Pinene	0.00317%	
Eucalyptol	0.00253%	
Azulene	ND	
Camphene	ND	
Camphore	ND	
Caryophyllene Oxide	ND	
Cedrol	ND	
Fenchone	ND	
Geraniol	ND	
Geranyl Acetate	ND	
Isoborneol	ND ND	
	ND ND	
Isopulegol	ND	

Analyte	Avg.	Notes	
Nerol	ND		
Pulegone	ND		
Sabinene	ND		
Sabinene Hydrate	ND		
Valencene	ND		
cis-Nerolidol	ND		
trans-Nerolidol	ND		
α-Cedrene	ND		
α-Ocimene	ND		
α-Phellandrene	ND		
β-Farnesene 1	ND		
β-Farnesene 2	ND		
β-Ocimene	ND		
γ-Terpineol	ND		
Total	3.44%		



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Metrc Batch ID: 1A4010300016315000024133 Metrc Sample ID: 1A4010300016315000024134 Harvest/Process Date: 4/12/2020 Report ID: LS-200417-6 Sample Plan ID:SP-200413-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Pesticides Analysis Date: 4/16/2020 Pesticides Batch ID: PST_041620B Method: EN 15662 Unit: μg/g (ppm) Pass 🕢

Analyte	WNS-SZX-MXX	RZS-WTW-DCZ	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	WNS-SZX-MXX	RZS-WTW-DCZ	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	0.440	0.365	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



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Pesticides Quality Control Data

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Note
Abamectin	ND	0.1	1.11	1.00	111	50 - 150	
Acephate	ND	0.1	1.08	1.00	108	50 - 150	
Acequinocyl	ND	1.5	1.19	1.00	119	50 - 150	
Acetamiprid	ND	0.1	1.09	1.00	109	50 - 150	
Aldicarb	ND	0.1	1.08	1.00	108	50 - 150	
Azoxystrobin	ND	0.1	1.10	1.00	110	50 - 150	
Bifenazate	ND	0.1	1.10	1.00	110	50 - 150	
Bifenthrin	ND	0.1	1.48	1.00	148	50 - 150	
Boscalid	ND	0.1	1.14	1.00	114	50 - 150	
Carbaryl	ND	0.1	1.12	1.00	112	50 - 150	
Carbofuran	ND	0.1	1.14	1.00	114	50 - 150	
Chlorantraniliprole	ND	0.1	1.10	1.00	110	50 - 150	
Chlorfenapyr	ND	0.1	0.977	1.00	97.7	50 - 150	
Chlorpyrifos	ND	0.1	1.00	1.00	100	50 - 150	
Clofentezine	ND	0.1	0.906	1.00	90.6	50 - 150	
Cyfluthrin	ND	0.5	1.17	1.00	117	50 - 150	
Cypermethrin	ND	0.1	1.19	1.00	119	50 - 150	
Daminozide	ND	0.5	ND	1.00	0.00	10 - 150	ND
Diazinon	ND	0.1	0.993	1.00	99.3	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.724	1.00	72.4	50 - 150	
Dimethoate	ND	0.1	0.994	1.00	99.4	50 - 150	
Ethoprophos	ND	0.1	0.950	1.00	95.0	50 - 150	
Etofenprox	ND	0.1	1.20	1.00	120	50 - 150	
Etoxazole	ND	0.1	1.11	1.00	111	50 - 150	
Fenoxycarb	ND	0.1	1.09	1.00	109	50 - 150	
Fenpyroximate	ND	0.1	1.07	1.00	107	50 - 150	
Fipronil	ND	0.1	0.990	1.00	99.0	50 - 150	
Flonicamid	ND	0.1	1.12	1.00	112	50 - 150	
Fludioxonil	ND	0.1	0.910	1.00	91.0	50 - 150	
Hexythiazox	ND	0.1	0.819	1.00	81.9	50 - 150	
Imazalil	ND	0.1	1.05	1.00	105	50 - 150	
Imidacloprid	ND	0.1	1.11	1.00	111	50 - 150	
Kresoxim-methyl	ND	0.1	1.04	1.00	104	50 - 150	
Malathion	ND	0.1	0.995	1.00	99.5	50 - 150	

Pesticides QC Analysis Date: 4/16/2020 Pesticides QC Batch ID: PST 041620B Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.04	1.00	104	50 - 150	
Methiocarb	ND	0.1	1.06	1.00	106	50 - 150	
Methomyl	ND	0.1	1.12	1.00	112	50 - 150	
Methyl Parathion	ND	0.2	0.269	1.00	26.9	30 - 150	ME
MGK-264	ND	0.2	0.551	0.600	91.8	50 - 150	
Myclobutanil	ND	0.1	1.10	1.00	110	50 - 150	
Naled	ND	0.2	0.952	1.00	95.2	50 - 150	
0xamy1	ND	0.1	1.14	1.00	114	50 - 150	
Paclobutrazol	ND	0.1	1.08	1.00	108	50 - 150	
Permethrins	ND	0.1	1.46	1.00	146	50 - 150	
Phosmet	ND	0.1	1.02	1.00	102	50 - 150	
Piperonyl Butoxide	ND	0.1	1.09	1.00	109	50 - 150	
Prallethrin	ND	0.1	1.06	1.00	106	50 - 150	
Propiconazole	ND	0.1	0.702	1.00	70.2	50 - 150	
Propoxur	ND	0.1	1.07	1.00	107	50 - 150	
Pyrethrins	ND	0.5	0.639	1.00	63.9	50 - 150	
Pyridaben	ND	0.1	1.14	1.00	114	50 - 150	
Spinosad	ND	0.1	1.24	1.00	124	50 - 150	
Spiromesifen	ND	0.1	1.02	1.00	102	50 - 150	
Spirotetramat	ND	0.1	1.05	1.00	105	50 - 150	
Spiroxamine	ND	0.1	1.31	1.00	131	50 - 150	
Tebuconazole	ND	0.1	1.06	1.00	106	50 - 150	
Thiacloprid	ND	0.1	1.10	1.00	110	50 - 150	
Thiamethoxam	ND	0.1	1.13	1.00	113	50 - 150	
Trifloxystrobin	ND	0.1	1.07	1.00	107	50 - 150	



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

Sample Type: Extracts Sample Date: 4/13/2020 Analysis Date: 4/14/2020 Report Date: 4/17/2020

1A4010300016315000024133 Metrc Sample ID: 1A4010300016315000024134 Harvest/Process Date: 4/12/2020 Report ID: 1 S-200417-6 Sample Plan ID:SP-200413-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Solvents Analysis Date: 4/14/2020 Solvents Batch ID: RES 041420A

Method: EPA 5021A Unit: µg/g (ppm)

Pass 🕢

Analyte	WNS-SZX-MXX	RZS-WTW-DCZ	RPD (%)	Limits	LOQ	Notes	Status
1,4-Dioxane	ND	ND	0.00	380.0	50.0		Pass
2-Butanol	ND	ND	0.00	5000.0	250.0		Pass
2-Ethoxyethanol	ND	ND	0.00	160.0	50.0		Pass
Acetone	ND	ND	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	ND	ND	0.00	5000.0	250.0		Pass
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	ND	0.00	50.0	50.0		Pass
Heptane	ND	ND	0.00	5000.0	250.0		Pass
Hexanes	ND	ND	0.00	290.0	50.0		Pass
Isopropanol (2-Propanol)	ND	ND	0.00	5000.0	50.0		Pass
Isopropyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Methanol	ND	ND	0.00	3000.0	250.0		Pass
Dichloromethane	ND	ND	0.00	600.0	50.0		Pass
Pentanes	ND	ND	0.00	5000.0	250.0		Pass
Propane	ND	ND	0.00	5000.0	250.0		Pass
Tetrahydrofuran	ND	ND	0.00	720.0	50.0		Pass
Toluene	ND	ND	0.00	890.0	50.0		Pass
Xylenes	ND	ND	0.00	2170.0	50.0		Pass



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Solvents QC Analysis Date: 4/14/2020 Solvents QC Batch ID: RES 041420A

Method: EPA 5021A Unit: µg/g (ppm)

1,4-bioxane ND 58.8 878 1988 97.8 78.9 78.2 138 2-Butanol ND 258.9 994 1989 99.4 78.2 138 2-Ethoxyethanol ND 59.0 818 1989 82.0 79.7 138 Acetonitrile ND 259.0 820 1980 88.1 79.7 138 Brutanes ND 2.0 16.2 29.0 88.1 79.7 139 Butanes ND 2.0 16.2 29.0 83.4 79.7 139 Cumene ND 59.0 820 1980 89.1 79.7 139 Ethyl Acetate ND 59.0 89.1 1980 89.1 79.7 139 Ethyl Ether ND 259.0 861 1980 89.1 79.7 139 Ethylace Glycol ND 259.0 80.1 1980 89.1 79.7 139 Ethylace David ND 59.0 83.0 1980 89.1 79.7 139 <	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
2-Ethoxyethanol ND 50.0 818 1000 81.8 70 - 130 Acetone ND 250.0 820 1000 82.0 70 - 130 Acetonitrile ND 50.0 881 1000 88.1 70 - 130 Benzene ND 2.0 16.2 20.8 81.1 70 - 130 Butanes ND 250.0 1670 2000 83.4 70 - 130 Cumene ND 50.0 820 1000 82.0 70 - 130 Cyclohexane ND 50.0 801 1000 80.1 70 - 130 Ethyl Acetate ND 250.0 861 1000 86.1 70 - 130 Ethyl Lether ND 250.0 861 1000 86.1 70 - 130 Ethyl Lether ND 250.0 861 1000 87.5 70 - 130 Ethyl Lether ND 50.0 820 1000 82.0 77.5 70 - 130 Heyane	1,4-Dioxane	ND	50.0	870	1000	87.0	70 - 130	
Acetone	2-Butanol	ND	250.0	904	1000	90.4	70 - 130	
Acetonitrile ND 58.8 881 1608 88.1 76 - 138 Benzene ND 2.0 16.2 20.8 81.1 76 - 139 Butanes ND 250.0 1670 2000 83.4 76 - 130 Cumene ND 50.0 820 1000 82.0 76 - 130 Cyclohexane ND 50.0 881 1000 80.1 77 - 130 Ethyl Acetate ND 250.0 861 1000 86.1 70 - 130 Ethyl Ether ND 250.0 775 1000 77.5 70 - 130 Ethylene Glycol ND 250.0 851 1000 77.5 70 - 130 Ethylene Oxide ND 250.0 830 1000 83.0 70 - 130 Heyanes ND 50.0 820 1000 82.5 70 - 130 Isopropyal Acetate ND 50.0 902 1000 89.2 70 - 130 Methanol	2-Ethoxyethanol	ND	50.0	818	1000	81.8	70 - 130	
Benzene ND 2.8 16.2 28.8 81.1 78 - 138 Butanes ND 259.8 1670 2808 83.4 78 - 138 Cumene ND 59.8 820 1808 82.0 78 - 138 Cyclohexane ND 59.8 881 1808 86.1 78 - 138 Ethyl Acetate ND 259.0 861 1808 86.1 78 - 138 Ethyl Ether ND 259.0 775 1808 77.5 78 - 138 Ethylene Glycol ND 59.8 831 1808 86.1 78 - 138 Ethylene Oxide ND 59.8 839 1808 86.1 78 - 138 Heytane ND 59.8 820 1808 82.0 78 - 138 Isopropanol (2-Propanol) ND 59.8 892 1808 89.2 78 - 138 Methanol ND 59.8 892 1808 89.2 78 - 138 Popane ND	Acetone	ND	250.0	820	1000	82.0	70 - 130	
Butanes ND 258.0 1678 2000 83.4 78 - 138 Cumene ND 59.0 820 1000 82.0 76 - 130 Cyclohexane ND 59.0 801 1000 80.1 76 - 130 Ethyl Acetate ND 259.0 861 1000 86.1 76 - 130 Ethyl Ether ND 259.0 861 1000 86.1 76 - 130 Ethylene Glycol ND 259.0 861 1000 86.1 76 - 130 Ethylene Oxide ND 59.0 830 1000 83.0 76 - 130 Heytane ND 59.0 820 1000 82.0 76 - 130 Hexanes ND 59.0 4130 5900 82.5 76 - 130 Isopropanol (2-Propanol) ND 59.0 892 1900 89.2 76 - 130 Methanol ND 59.0 842 1900 84.2 76 - 130 Pentanes <t< th=""><th>Acetonitrile</th><th>ND</th><th>50.0</th><th>881</th><th>1000</th><th>88.1</th><th>70 - 130</th><th></th></t<>	Acetonitrile	ND	50.0	881	1000	88.1	70 - 130	
Cumene ND 50.0 820 1000 82.0 70 - 130 Cyclohexane ND 50.0 801 1000 80.1 70 - 130 Ethyl Acetate ND 250.0 861 1000 86.1 70 - 130 Ethyl Ether ND 250.0 775 1000 77.5 70 - 130 Ethylene Glycol ND 250.0 861 1000 86.1 70 - 130 Ethylene Oxide ND 50.0 830 1000 87.0 70 - 130 Hexanes ND 250.0 820 1000 82.0 70 - 130 Isopropanol (2-Propanol) ND 50.0 4130 5000 82.5 70 - 130 Isopropyl Acetate ND 50.0 892 1000 89.2 70 - 130 Methanol ND 250.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane <th>Benzene</th> <th>ND</th> <th>2.0</th> <th>16.2</th> <th>20.0</th> <th>81.1</th> <th>70 - 130</th> <th></th>	Benzene	ND	2.0	16.2	20.0	81.1	70 - 130	
Cyclohexane ND 59.8 881 1000 88.1 70 - 130 Ethyl Acetate ND 259.0 861 1000 86.1 70 - 130 Ethyl Ether ND 259.0 775 1000 77.5 70 - 130 Ethylene Glycol ND 259.0 861 1000 86.1 70 - 130 Ethylene Oxide ND 59.0 839 1000 83.0 70 - 130 Heyane ND 259.0 820 1000 82.0 70 - 130 Hexanes ND 59.0 4130 5000 82.5 70 - 130 I sopropanol (2-Propanol) ND 59.0 892 1000 99.2 70 - 130 I sopropyl Acetate ND 259.0 892 1000 89.2 70 - 130 Methanol ND 59.0 442 1000 71.4 70 - 130 Pentanes ND 259.0 770 1000 82.4 70 - 130 Propane <th>Butanes</th> <th>ND</th> <th>250.0</th> <th>1670</th> <th>2000</th> <th>83.4</th> <th>70 - 130</th> <th></th>	Butanes	ND	250.0	1670	2000	83.4	70 - 130	
Ethyl Acetate ND 250.0 861 1000 86.1 70 - 130 Ethyl Ether ND 250.0 775 1000 77.5 70 - 130 Ethylene Glycol ND 250.0 861 1000 86.1 70 - 130 Ethylene Oxide ND 50.0 839 1000 83.0 70 - 130 Heytane ND 250.0 820 1000 82.0 70 - 130 Hexanes ND 50.0 4130 5000 82.5 70 - 130 Isopropanol (2-Propanol) ND 50.0 4130 5000 82.5 70 - 130 Isopropyl Acetate ND 250.0 892 1000 89.2 70 - 130 Methanol ND 250.0 714 1000 84.2 70 - 130 Pentanes ND 50.0 842 1000 84.2 70 - 130 Propane ND 250.0 770 1000 82.4 70 - 130 Tetrahydrofur	Cumene	ND	50.0	820	1000	82.0	70 - 130	
Ethyl Ether ND 259.0 775 1000 77.5 70 - 130 Ethylene Glycol ND 259.0 861 1000 86.1 70 - 130 Ethylene Oxide ND 50.0 830 1000 83.0 70 - 130 Ethylene Oxide ND 250.0 820 1000 82.0 70 - 130 Ethylene Oxide ND 50.0 820 1000 82.0 70 - 130 Ethylene Oxide ND 50.0 820 1000 82.0 70 - 130 Ethylene Oxide ND 50.0 820 1000 82.0 70 - 130 Ethylene Oxide ND 50.0 820 1000 82.5 70 - 130 Ethylene Oxide ND 50.0 800 82.0 70 - 130 Ethylene Oxide ND 50.0 800 82.0 70 - 130 Ethylene Oxide ND 50.0 800 800 82.5 70 - 130 Ethylene Oxide ND 250.0 800 800 80.2 70 - 130 Ethylene Oxide ND 250.0 800 800 800 80.2 70 - 130 Ethylene Oxide ND 250.0 800 71.4 1000 71.4 70 - 130 Ethylene Oxide ND 50.0 842 1000 84.2 70 - 130 Ethylene Oxide ND 50.0 842 1000 82.4 70 - 130 Ethylene Oxide ND 50.0 877 1000 87.7 70 - 130 Ethylene Oxide ND 50.0 877 1000 87.0 87.0 87.0 87.0 87.0 87.0 87.0 8	Cyclohexane	ND	50.0	801	1000	80.1	70 - 130	
Ethylene Glycol ND 250.0 861 1000 86.1 70 - 130 Ethylene Oxide ND 50.0 830 1000 83.0 70 - 130 Heptane ND 250.0 820 1000 82.0 70 - 130 Hexanes ND 50.0 4130 50.0 820 1000 82.5 70 - 130 Expropanol (2-Propanol) ND 50.0 902 1000 90.2 70 - 130 Expropyl Acetate ND 250.0 892 1000 89.2 70 - 130 Methanol ND 250.0 892 1000 89.2 70 - 130 Expropyl Acetate ND 250.0 892 1000 71.4 70 - 130 Expropyl Acetate ND 250.0 714 1000 71.4 70 - 130 Expropyl Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Expropyl Acetate ND 250.0 714 1000 71.4 70 - 130 Expropyl Acetate ND 250.0 770 3000 82.4 70 - 130 Expropyl Acetate ND 50.0 842 1000 84.2 70 - 130 Expropyl Acetate ND 50.0 850.0 842 1000 85.4 70 - 130 Expropyl Acetate ND 50.0 877 1000 87.7 70 - 130 Expropyl Acetate ND	Ethyl Acetate	ND	250.0	861	1000	86.1	70 - 130	
Ethylene Oxide ND SO SO SO SO SO SO SO SO SO S	Ethyl Ether	ND	250.0	775	1000	77.5	70 - 130	
Heptane ND 258.0 820 1000 82.0 70 - 130 Hexanes ND 59.0 4130 5000 82.5 70 - 130 Isopropanol (2-Propanol) ND 50.0 902 1000 90.2 70 - 130 Isopropyl Acetate ND 259.0 892 1000 89.2 70 - 130 Methanol ND 250.0 714 1000 71.4 70 - 130 Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 836 1000 83.6 70 - 130	Ethylene Glycol	ND	250.0	861	1000	86.1	70 - 130	
Hexanes ND 50.0 4130 5000 82.5 70 - 130 Isopropanol (2-Propanol) ND 50.0 902 1000 90.2 70 - 130 Isopropyl Acetate ND 250.0 892 1000 89.2 70 - 130 Methanol ND 250.0 714 1000 71.4 70 - 130 Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 836 1000 83.6 70 - 130	Ethylene Oxide	ND	50.0	830	1000	83.0	70 - 130	
Isopropanol (2-Propanol) ND 50.0 902 1000 90.2 70 - 130 Isopropyl Acetate ND 250.0 892 1000 89.2 70 - 130 Methanol ND 250.0 714 1000 71.4 70 - 130 Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Heptane	ND	250.0	820	1000	82.0	70 - 130	
Isopropyl Acetate ND 250.0 892 1000 89.2 70 - 130 Methanol ND 250.0 714 1000 71.4 70 - 130 Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Hexanes	ND	50.0	4130	5000	82.5	70 - 130	
Methanol ND 250.0 714 1000 71.4 70 - 130 Dichloromethane ND 50.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Isopropanol (2-Propanol)	ND	50.0	902	1000	90.2	70 - 130	
Dichloromethane ND 59.0 842 1000 84.2 70 - 130 Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Isopropyl Acetate	ND	250.0	892	1000	89.2	70 - 130	
Pentanes ND 250.0 2470 3000 82.4 70 - 130 Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Methanol	ND	250.0	714	1000	71.4	70 - 130	
Propane ND 250.0 770 1000 77.0 70 - 130 Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Dichloromethane	ND	50.0	842	1000	84.2	70 - 130	
Tetrahydrofuran ND 50.0 877 1000 87.7 70 - 130 Toluene ND 50.0 836 1000 83.6 70 - 130	Pentanes	ND	250.0	2470	3000	82.4	70 - 130	
Toluene ND 50.0 836 1000 83.6 70 - 130	Propane	ND	250.0	770	1000	77.0	70 - 130	
	Tetrahydrofuran	ND	50.0	877	1000	87.7	70 - 130	
Xylenes ND 50.0 3460 4000 86.4 70 - 130	Toluene	ND	50.0	836	1000	83.6	70 - 130	
	Xylenes	ND	50.0	3460	4000	86.4	70 - 130	



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts
Sample Date: 4/13/2020
Analysis Date: 4/14/2020
Report Date: 4/17/2020

Metrc Batch ID: 1A4010300016315000024133 Metrc Sample ID: 1A4010300016315000024134 Harvest/Process Date: 4/12/2020 Report ID: LS-200417-6 Sample Plan ID:SP-200413-2-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
В	Analyte found in sample and associated blank
С	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
М	Manual integration
PS	Peaks split
НВ	Control acceptance criteria are exceeded high and the associated sample exceeds the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample is below the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation