

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

Sample Type: Extracts Sample Date: 6/1/2020 Analysis Date: 6/2/2020 Report Date: 6/3/2020

1A4010300016315000025220 Metrc Sample ID: 1A4010300016315000025233 Harvest/Process Date: 5/31/2020 Report ID: LS-200603-43 Sample Plan ID:SP-200601-4-A Sample Procedure: 160721 LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 6/2/2020 Potency Batch ID: CAN_060220C Potency Method: JAOAC 2015.1

84.0%

Total THC

Total CBD

Samples: FBF-GHZ-RHM, GGG-PXM-ZCG



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.16	2.37	83.0	85.0	84.0	
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	14.8	ND	0.186	0.0928	•
CBDA	Cannabidiolic acid	0.16	50.7	<l0q< td=""><td>0.269</td><td>0.269</td><td>•</td></l0q<>	0.269	0.269	•
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.16	38.8	0.889	1.32	1.10	•
CBG	Cannabigerol*	0.16	4.15	2.33	2.43	2.38	•
CBGA	Cannabigerolic acid*	0.16	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.16	4.92	2.24	2.35	2.29	•
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	67.4	<l0q< td=""><td>0.323</td><td>0.323</td><td>•</td></l0q<>	0.323	0.323	•
Total THC	Δ9THC + (THCA × 0.877)		2.37	83.0	85.0	84.0	
Total CBD	CBD + (CBDA × 0.877)		89.9	<l0q< td=""><td>0.421</td><td>0.328</td><td>•</td></l0q<>	0.421	0.328	•
Total			2.61	88.4	91.8	90.4	

Compliance

Pesticides	Within limits	Analysis Date: 6/2/2020	Pass 🛇
Solvents	Within limits	Analysis Date: 6/2/2020	Pass 📀
Potency	Within limits	Analysis Date: 6/2/2020	Pass 🛇

Bryce Kidd, Ph.D. Lab Director

Chief Science Officer





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Method: JAOAC 2015.1

Unit: %



enes*	Terpene Analysis Date: 6/2/2020
ple Data	Terpene Batch ID: TRP_060220A

Amelia		Notes
Analyte	Avg.	Notes
Isoborneol	ND	
Isopulegol	ND	
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	
γ-Terpineol	ND	

3.81%

Total

Analyte	Avg.	Notes
β-Caryophyllene	1.62%	
Humulene	0.649%	
Linalool	0.394%	_
α-Terpineol	0.157%	•
Guaiol	0.149%	•
Limonene	0.145%	•
Fenchol	0.101%	•
β-Myrcene	0.100%	•
β-Farnesene 2	0.0905%	•
α-Bisabolol	0.0892%	•
Caryophyllene Oxide	0.0597%	•
Selinadiene	0.0590%	•
Terpinolene	0.0433%	•
Eucalyptol	0.0328%	•
β-Pinene	0.0306%	•
β-Ocimene	0.0260%	•
α-Pinene	0.0193%	•
Borneol	0.0138%	•
α-Terpinene	0.00839%	•
γ-Terpinene	0.00720%	•
Δ3-Carene	0.00536%	•
Fenchone	0.00441%	•
Camphene	0.00413%	•
Geraniol	0.00173%	•
Azulene	ND	
Camphore	ND	
Cedrol	ND	
Cymene	ND	
Geranyl Acetate	ND	



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Pesticides Analysis Date: 6/2/2020 Pesticides Batch ID: PST 060220B

Method: EN 15662 Unit: µg/g (ppm)

Pass 🕢

Analyte	GGG-PXM-ZCG	FBF-GHZ-RHM	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	GGG-PXM-ZCG	FBF-GHZ-RHM	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



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Metrc Batch ID: 1A4010300016315000025220 Metrc Sample ID: 1A4010300016315000025233 Harvest/Process Date: 5/31/2020 Report ID: LS-200603-43 Sample Plan ID:SP-200601-4-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Pesticides Quality Control Data

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	1.07	1.00	107	50 - 150	
Acephate	ND	0.1	0.621	1.00	62.1	50 - 150	
Acequinocyl	ND	1.5	0.992	1.00	99.2	50 - 150	
Acetamiprid	ND	0.1	1.01	1.00	101	50 - 150	
Aldicarb	ND	0.1	1.03	1.00	103	50 - 150	
Azoxystrobin	ND	0.1	0.919	1.00	91.9	50 - 150	
Bifenazate	ND	0.1	0.975	1.00	97.5	50 - 150	
Bifenthrin	ND	0.1	1.12	1.00	112	50 - 150	
Boscalid	ND	0.1	1.01	1.00	101	50 - 150	
Carbaryl	ND	0.1	1.07	1.00	107	50 - 150	
Carbofuran	ND	0.1	0.874	1.00	87.4	50 - 150	
${\tt Chlorantraniliprole}$	ND	0.1	0.982	1.00	98.2	50 - 150	
Chlorfenapyr	ND	0.1	0.881	1.00	88.1	50 - 150	
Chlorpyrifos	ND	0.1	0.904	1.00	90.4	50 - 150	
Clofentezine	ND	0.1	0.831	1.00	83.1	50 - 150	
Cyfluthrin	ND	0.5	1.04	1.00	104	50 - 150	
Cypermethrin	ND	0.1	0.750	1.00	75.0	50 - 150	
Daminozide	ND	0.5	2.39	1.00	239	10 - 150	НВ
Diazinon	ND	0.1	0.953	1.00	95.3	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.909	1.00	90.9	50 - 150	
Dimethoate	ND	0.1	0.956	1.00	95.6	50 - 150	
Ethoprophos	ND	0.1	0.994	1.00	99.4	50 - 150	
Etofenprox	ND	0.1	1.11	1.00	111	50 - 150	
Etoxazole	ND	0.1	1.00	1.00	100	50 - 150	
Fenoxycarb	ND	0.1	1.00	1.00	100	50 - 150	
Fenpyroximate	ND	0.1	0.937	1.00	93.7	50 - 150	
Fipronil	ND	0.1	0.931	1.00	93.1	50 - 150	
Flonicamid	ND	0.1	1.06	1.00	106	50 - 150	
Fludioxonil	ND	0.1	0.951	1.00	95.1	50 - 150	
Hexythiazox	ND	0.1	0.848	1.00	84.8	50 - 150	
Imazalil	ND	0.1	0.937	1.00	93.7	50 - 150	
Imidacloprid	ND	0.1	1.25	1.00	125	50 - 150	
Kresoxim-methyl	ND	0.1	0.935	1.00	93.5	50 - 150	
Malathion	ND	0.1	0.970	1.00	97.0	50 - 150	

Pesticides QC Analysis Date: 6/2/2020 Pesticides QC Batch ID: PST 060220B Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	0.958	1.00	95.8	50 - 150	
Methiocarb	ND	0.1	0.952	1.00	95.2	50 - 150	
Methomyl	ND	0.1	1.13	1.00	113	50 - 150	
Methyl Parathion	ND	0.2	0.502	1.00	50.2	30 - 150	
MGK-264	ND	0.2	0.457	0.600	76.2	50 - 150	
Myclobutanil	ND	0.1	1.04	1.00	104	50 - 150	
Naled	ND	0.2	1.08	1.00	108	50 - 150	
0xamy1	ND	0.1	0.997	1.00	99.7	50 - 150	
Paclobutrazol	ND	0.1	0.947	1.00	94.7	50 - 150	
Permethrins	ND	0.1	1.09	1.00	109	50 - 150	
Phosmet	ND	0.1	0.979	1.00	97.9	50 - 150	
Piperonyl Butoxide	ND	0.1	1.07	1.00	107	50 - 150	
Prallethrin	ND	0.1	0.917	1.00	91.7	50 - 150	
Propiconazole	ND	0.1	0.952	1.00	95.2	50 - 150	
Propoxur	ND	0.1	1.03	1.00	103	50 - 150	
Pyrethrins	ND	0.5	0.253	1.00	25.3	50 - 150	LR
Pyridaben	ND	0.1	0.996	1.00	99.6	50 - 150	
Spinosad	ND	0.1	1.15	1.00	115	50 - 150	
Spiromesifen	ND	0.1	0.948	1.00	94.8	50 - 150	
Spirotetramat	ND	0.1	0.964	1.00	96.4	50 - 150	
Spiroxamine	ND	0.1	0.940	1.00	94.0	50 - 150	
Tebuconazole	ND	0.1	1.07	1.00	107	50 - 150	
Thiacloprid	ND	0.1	0.945	1.00	94.5	50 - 150	
Thiamethoxam	ND	0.1	1.15	1.00	115	50 - 150	
Trifloxystrobin	ND	0.1	0.965	1.00	96.5	50 - 150	



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Sample Type: Extracts Sample Date: 6/1/2020 Analysis Date: 6/2/2020 Report Date: 6/3/2020

1A4010300016315000025220 Metrc Sample ID: 1A4010300016315000025233 Harvest/Process Date: 5/31/2020 Report ID: LS-200603-43 Sample Plan ID:SP-200601-4-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Solvents Analysis Date: 6/2/2020 Solvents Batch ID: RES 060220A Method: EPA 5021A Unit: µg/g (ppm)

Pass 🕢

Analyte	GGG-PXM-ZCG	FBF-GHZ-RHM	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: 6/2/2020 Solvents QC Batch ID: RES_060220A Method: EPA 5021A Unit: μg/g (ppm)

1,4-Dioxane NO 58.0 996 1000 99.6 78 - 130 2-Butanol NO 258.0 981 1000 99.1 78 - 130 2-Ethoxychanol NO 59.0 972 1000 97.2 78 - 130 Acetone NO 259.0 974 1000 97.4 78 - 130 Acetonitrile NO 2.0 974 1000 97.4 78 - 130 Butanes NO 2.0 17.9 20.0 97.4 78 - 130 Cumen NO 2.0 19.0 200 9.7 70 - 130 Cyclohexane NO 58.0 993 1000 9.3 78 - 130 Ethyl Acetate NO 58.0 983 1000 9.5 78 - 130 Ethyl Acetate NO 259.0 965 1000 9.5 78 - 130 Ethyl Acetate NO 259.0 92 1000 9.2 78 - 130 Ethylane Glycol NO	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
2-Ethoxyethanol ND 58.8 972 1888 97.2 78 - 138 Acetone ND 258.8 947 1888 94.7 78 - 138 Acetonitrile ND 59.8 974 1888 97.4 78 - 138 Benzene ND 2.8 17.0 28.0 85.2 78 - 138 Butanes ND 25.0 1898 2808 94.7 78 - 138 Cumene ND 58.8 993 1808 95.3 78 - 138 Cyclohexane ND 58.8 953 1808 95.3 78 - 138 Ethyl Acetate ND 259.8 953 1808 95.3 78 - 138 Ethyl Ether ND 259.8 922 1808 94.6 79 - 138 Ethylane Glycol ND 59.8 922 1808 95.2 78 - 138 Heytane ND 59.8 97.1 1808 95.2 79 - 138 Isopropal (2-Propanl) <t< th=""><th>1,4-Dioxane</th><th>ND</th><th>50.0</th><th>996</th><th>1000</th><th>99.6</th><th>70 - 130</th><th></th></t<>	1,4-Dioxane	ND	50.0	996	1000	99.6	70 - 130	
Acetone	2-Butanol	ND	250.0	981	1000	98.1	70 - 130	
Acetonitrile ND 58.8 974 1888 97.4 78 - 138 Benzene ND 2.8 17.8 28.8 85.2 78 - 138 Butanes ND 258.0 1898 2808 94.7 78 - 138 Cumene ND 50.8 993 1808 99.3 78 - 138 Cyclohexane ND 50.8 953 1808 95.3 78 - 138 Ethyl Acetate ND 250.8 953 1808 96.5 70 - 138 Ethyl Lether ND 250.8 965 1808 96.5 70 - 139 Ethyl Lether ND 250.8 922 1808 92.2 70 - 139 Ethyl Lether ND 50.8 922 1808 92.2 70 - 139 Ethyl Lether ND 50.8 952 1808 95.2 70 - 130 Heyane ME 50.8 971 1808 95.1 70 - 130 Heyanes ND	2-Ethoxyethanol	ND	50.0	972	1000	97.2	70 - 130	
Benzene ND 2.8 17.8 28.8 85.2 78 - 138 Butanes ND 259.8 1898 2808 94.7 78 - 138 Cumene ND 59.8 993 1808 99.3 78 - 138 Cyclohexane ND 59.8 953 1808 95.3 78 - 138 Ethyl Acetate ND 259.8 955 1808 95.3 78 - 138 Ethyl Lether ND 259.8 965 1808 96.5 78 - 138 Ethyl Lether ND 259.8 965 1808 96.6 78 - 138 Ethyl Lether ND 259.8 922 1808 92.2 78 - 138 Ethylene Glycol ND 59.8 933 1808 92.2 78 - 138 Ethylene Glycol ND 59.8 952 1808 95.2 78 - 138 Ethylene Glycol ND 59.8 952 1808 95.2 78 - 138 Heyanes <	Acetone	ND	250.0	947	1000	94.7	70 - 130	
Blatanes ND 258.0 1890 2080 94.7 78 - 130 Cumene ND 59.0 993 1080 99.3 78 - 130 Cyclohexane ND 59.0 953 1080 95.3 78 - 130 Ethyl Acetate ND 259.0 965 1080 96.5 78 - 130 Ethyl Ether ND 259.0 946 1080 94.6 78 - 130 Ethylae Glycol ND 259.0 922 1080 94.3 78 - 130 Ethylaene Oxide ND 59.0 943 1080 94.3 78 - 130 Heytane ND 59.0 952 1080 95.2 78 - 130 Hexanes ND 59.0 4750 5980 95.1 76 - 130 Isopropanol (2-Propanol) ND 59.0 971 1080 97.1 76 - 130 Methanol ND 59.0 988 1080 98.8 76 - 130 Pentanes <	Acetonitrile	ND	50.0	974	1000	97.4	70 - 130	
Cumene ND 58.8 993 1000 99.3 70 - 138 Cyclohexane ND 58.8 953 1000 95.3 70 - 138 Ethyl Acetate ND 259.0 965 1000 96.5 70 - 130 Ethyl Ether ND 259.0 946 1000 94.6 70 - 130 Ethylene Glycol ND 259.0 922 1000 92.2 70 - 130 Ethylene Oxide ND 59.0 943 1000 94.3 70 - 130 Heytane ND 259.0 952 1000 95.2 70 - 130 Hexanes ND 59.0 4750 5000 95.1 70 - 130 Isopropanol (2-Propanol) ND 59.0 971 1000 97.1 70 - 130 Methanol ND 250.0 988 1000 98.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Propane	Benzene	ND	2.0	17.0	20.0	85.2	70 - 130	
Cyclohexane ND 50.0 953 1000 95.3 70 - 130 Ethyl Acetate ND 250.0 965 1000 96.5 78 - 130 Ethyl Ether ND 250.0 946 1000 94.6 78 - 130 Ethylene Glycol ND 250.0 922 1000 92.2 70 - 130 Ethylene Oxide ND 50.0 943 1000 94.3 70 - 130 Hexanes ND 250.0 952 1000 95.2 70 - 130 Isopropanol (2-Propanol) ND 50.0 4750 5000 95.1 70 - 130 Isopropyl Acetate ND 50.0 971 1000 97.1 70 - 130 Methanol ND 250.0 988 1000 98.8 70 - 130 Dichloromethane ND 50.0 989 1000 95.9 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetr	Butanes	ND	250.0	1890	2000	94.7	70 - 130	
Ethyl Acetate ND 250.0 965 1000 96.5 70 - 130 Ethyl Ether ND 250.0 946 1000 94.6 70 - 130 Ethylene Glycol ND 250.0 922 1000 92.2 70 - 130 Ethylene Oxide ND 50.0 943 1000 94.3 70 - 130 Ethylene Oxide ND 50.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 50.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 50.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 50.0 971 1000 95.1 70 - 130 Ethylene Oxide ND 50.0 971 1000 97.1 70 - 130 Ethylene Oxide ND 50.0 971 1000 97.1 70 - 130 Ethylene Oxide ND 50.0 971 1000 97.1 70 - 130 Ethylene Oxide ND 50.0 988 1000 97.1 70 - 130 Ethylene Oxide ND 50.0 988 1000 98.8 70 - 130 Ethylene Oxide ND 50.0 988 1000 98.8 70 - 130 Ethylene Oxide ND 50.0 980 980 980 99.8 70 - 130 Ethylene Oxide ND 50.0 950 980 980 99.8 70 - 130 Ethylene Oxide ND 50.0 980 980 980 99.0 99.8 70 - 130 Ethylene Oxide ND 50.0 980 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 99.0 70 - 130 Ethylene Oxide ND 50.0 990 980 980 99.0 99.0 99.0 99.0 99.0	Cumene	ND	50.0	993	1000	99.3	70 - 130	
Ethyl Ether ND 250.0 946 1000 94.6 76 - 130 Ethylene Glycol ND 250.0 922 1000 92.2 70 - 130 Ethylene Oxide ND 50.0 943 1000 94.3 70 - 130 Ethylene Oxide ND 250.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 250.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 250.0 952 1000 95.2 70 - 130 Ethylene Oxide ND 50.0 950 952 1000 95.1 70 - 130 Ethylene Oxide ND 50.0 971 1000 97.1 70 - 130 Ethylene Oxide ND 50.0 971 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 988 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 988 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 988 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 988 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 959 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 959 1000 97.1 70 - 130 Ethylene Oxide ND 250.0 97.1 70 - 130 Ethylene Oxide ND 250.0 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1	Cyclohexane	ND	50.0	953	1000	95.3	70 - 130	
Ethylene Glycol ND 250.0 922 1000 92.2 70 - 130 Ethylene Oxide ND 50.0 943 1000 94.3 70 - 130 Heptane ND 250.0 952 1000 95.2 70 - 130 Hexanes ND 50.0 4750 5000 95.1 70 - 130 Isopropanol (2-Propanol) ND 50.0 971 1000 97.1 70 - 130 Isopropyl Acetate ND 250.0 988 1000 97.1 70 - 130 Methanol ND 250.0 988 1000 97.1 70 - 130 Dichloromethane ND 50.0 959 1000 97.0 97.0 70 - 130 Pentanes ND 250.0 900 1000 97.0 70 - 130 Propane ND 250.0 989 1000 97.0 97.0 70 - 130 Propane ND 250.0 989 900 900 90.0 97.0 70 - 130 Propane ND 250.0 980 900 900 90.0 97.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 90.0 70 - 130 Toluene ND 50.0 981 1000 96.0 97.0 70 - 130	Ethyl Acetate	ND	250.0	965	1000	96.5	70 - 130	
Ethylene Oxide ND 50.0 943 1000 94.3 70 - 130 Heytane ND 250.0 952 1000 95.2 70 - 130 Hexanes ND 50.0 4750 5000 95.1 70 - 130 Isopropanol (2-Propanol) ND 50.0 971 1000 97.1 70 - 130 Isopropyl Acetate ND 250.0 988 1000 98.8 70 - 130 Methanol ND 250.0 988 1000 98.8 70 - 130 Dichloromethane ND 50.0 959 1000 96.0 70 - 130 Pentanes ND 250.0 980 1000 96.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 981 1000 96.0 70 - 130	Ethyl Ether	ND	250.0	946	1000	94.6	70 - 130	
Heptane ND 250.0 952 1000 95.2 70 - 130 Hexanes ND 50.0 4750 5000 95.1 70 - 130 Isopropanol (2-Propanol) ND 50.0 971 1000 98.8 70 - 130 Isopropyl Acetate ND 250.0 988 1000 98.8 70 - 130 Methanol ND 250.0 988 1000 98.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 989 1000 95.9 70 - 130 Pentanes ND 250.0 980 980 980 99.0 70 - 130 Propane ND 250.0 900 900 900 90.0 70 - 130 Propane ND 250.0 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 9000 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 90.0 90.0 70 - 130 Propane ND 50.0 900 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 900 900 90.0 70 - 130 Propane ND 50.0 900 900 900 900 900 900 900 900 900	Ethylene Glycol	ND	250.0	922	1000	92.2	70 - 130	
Hexanes ND 50.0 4750 5000 95.1 70 - 130 Isopropanol (2-Propanol) ND 50.0 971 1000 97.1 70 - 130 Isopropyl Acetate ND 250.0 988 1000 98.8 70 - 130 Methanol ND 250.0 988 1000 90.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Ethylene Oxide	ND	50.0	943	1000	94.3	70 - 130	
Isopropanol (2-Propanol) ND 50.0 971 1000 97.1 70 - 130 Isopropyl Acetate ND 250.0 988 1000 98.8 70 - 130 Methanol ND 250.0 908 1000 90.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Heptane	ND	250.0	952	1000	95.2	70 - 130	
Isopropyl Acetate ND 250.0 988 1000 98.8 70 - 130 Methanol ND 250.0 908 1000 90.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Hexanes	ND	50.0	4750	5000	95.1	70 - 130	
Methanol ND 250.0 908 1000 90.8 70 - 130 Dichloromethane ND 50.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Isopropanol (2-Propanol)	ND	50.0	971	1000	97.1	70 - 130	
Dichloromethane ND 59.0 959 1000 95.9 70 - 130 Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Isopropyl Acetate	ND	250.0	988	1000	98.8	70 - 130	
Pentanes ND 250.0 2820 3000 94.0 70 - 130 Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Methanol	ND	250.0	908	1000	90.8	70 - 130	
Propane ND 250.0 900 1000 90.0 70 - 130 Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Dichloromethane	ND	50.0	959	1000	95.9	70 - 130	
Tetrahydrofuran ND 50.0 960 1000 96.0 70 - 130 Toluene ND 50.0 981 1000 98.1 70 - 130	Pentanes	ND	250.0	2820	3000	94.0	70 - 130	
Toluene ND 50.0 981 1000 98.1 70 - 130	Propane	ND	250.0	900	1000	90.0	70 - 130	
	Tetrahydrofuran	ND	50.0	960	1000	96.0	70 - 130	
Xylenes ND 50.0 4010 4000 100 70 - 130	Toluene	ND	50.0	981	1000	98.1	70 - 130	
	Xylenes	ND	50.0	4010	4000	100	70 - 130	



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 6/1/2020 Analysis Date: 6/2/2020 Report Date: 6/3/2020

Metrc Batch ID: 1A4010300016315000025220 Metrc Sample ID: 1A4010300016315000025233 Harvest/Process Date: 5/31/2020 Report ID: LS-200603-43 Sample Plan ID:SP-200601-4-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 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