

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/7/2020 Analysis Date: 4/8/2020 Report Date: 4/14/2020 Metrc Batch ID: 1A4010300016315000023986 Metrc Sample ID: 1A4010300016315000023989 Harvest/Process Date: 4/6/2020 Report ID: LS-200414-5 Sample Plan ID:SP-200407-4-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

#### **Potency**

Potency Analysis Date: 4/8/2020 Potency Batch ID: CAN\_040820A Potency Method: JAOAC 2015.1

81.3%

Total THC

<LOQ

Total CBD

Samples: RDD-DMC-ZGN, CJD-XGT-SGS



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	
<b>Д9ТНС</b>	Delta-9 Tetrahydrocannabinol	0.16	0.954	80.9	81.6	81.3	
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	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
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	31.1	0.345	0.471	0.408	•
CBG	Cannabigerol*	0.16	1.78	2.17	2.21	2.19	•
CBGA	Cannabigerolic acid*	0.16	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.16	7.45	1.29	1.39	1.34	•
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	13.8	ND	0.184	0.0919	•
Total THC	Δ9THC + (THCA × 0.877)		0.954	80.9	81.6	81.3	
Total CBD	CBD + (CBDA × 0.877)		0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
Total			1.05	84.7	85.9	85.3	

### **Compliance**

Pesticides	Within limits	Analysis Date: 4/9/2020	Pass 🕢
Solvents	Within limits	Analysis Date: 4/10/2020	Pass 🕢
Potency	Within limits	Analysis Date: 4/8/2020	Pass 🕢

Bryce Kidd, Ph.D.
Lab Director

Aaron Troyer
Chief Science Officer



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Terpene Analysis Date: 4/8/2020

Terpene Batch ID: TRP 040820A

y-Terpineol

Total

Harvest/Process Date: 4/6/2020 Report ID: LS-200414-5 Sample Plan ID:SP-200407-4-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

Method: JAOAC 2015.1

Unit: %



Analyte	Avg.	Notes
β-Caryophyllene	2.56%	
Humulene	0.998%	
β-Farnesene 2	0.834%	
Linalool	0.363%	
α-Terpineol	0.163%	
Fenchol	0.137%	
β-Myrcene	0.0739%	
Limonene	0.0691%	
α-Bisabolol	0.0689%	
Selinadiene	0.0365%	
β-Ocimene	0.0159%	
Borneol	0.0148%	
β-Pinene	0.0117%	
Sabinene	0.0105%	
α-Pinene	0.00854%	
Eucalyptol	0.00631%	
Terpinolene	0.00429%	
Fenchone	0.00404%	
Geraniol	0.00323%	
α-Terpinene	0.00162%	
γ-Terpinene	0.00156%	
Camphene	0.00123%	
Δ3-Carene	0.00114%	
Azulene	ND	
Camphore	ND	
Caryophyllene Oxide	ND	
Cedrol	ND	
Cymene	ND	
Geranyl Acetate	ND	

Analyte	Avg.	Notes	
Guaiol	ND		
Isoborneol	ND		
Isopulegol	ND		
Nerol	ND		
Pulegone	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		

ND

5.39%



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Pesticides Analysis Date: 4/9/2020 Pesticides Batch ID: PST 040920A Method: EN 15662 Unit: μg/g (ppm) Pass 🕢

Analyte	CJD-XGT-SGS	RDD-DMC-ZGN	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	CJD-XGT-SGS	RDD-DMC-ZGN	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
0xamy1	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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### Pesticides Quality Control Data

Analyte         Blank         LOQ         LCS         LCS Spike         LCS Rec (%)         Limits (%)         Notes           Abamectin         ND         0.1         1.96         1.00         106         50 - 150         1.80           Acequinocyl         ND         0.1         0.947         1.00         96.7         50 - 150         HB           Acetamiprid         ND         0.1         0.948         1.00         94.8         50 - 150         HB           Aldicarb         ND         0.1         0.948         1.00         94.8         50 - 150         HB           Azoxystrobin         ND         0.1         1.066         1.00         93.0         50 - 150         HB           Bifenazate         ND         0.1         1.666         1.00         93.0         50 - 150         HB           Bifenthrin         ND         0.1         1.062         1.00         93.0         50 - 150         HB           Bifenthrin         ND         0.1         1.992         1.00         99.2         50 - 150         HB           Bifenthrin         ND         0.1         0.992         1.00         99.2         50 - 150         HB           <								
Acephate         ND         0.1         0.967         1.00         96.7         50         - 150         HB           Acequinocyl         ND         1.5         1.85         1.00         185         50         - 150         HB           Acetamiprid         ND         0.1         0.947         1.00         94.7         50         - 150         HB           Addicarb         ND         0.1         0.948         1.00         94.8         50         - 150         Acoxystrobin         ND         0.1         0.930         1.00         93.0         50         - 150         BB         Bifenzate         ND         0.1         1.66         1.00         93.0         50         - 150         HB         Bifenthrin         ND         0.1         1.06         1.00         93.0         50         - 150         HB         Bifenthrin         ND         0.1         1.06         1.00         94.6         50         - 150         HB         Bifenthrin         ND         0.1         0.922         1.00         92.2         50         - 150         HB         Bifenthrin         ND         0.1         0.922         1.00         92.2         50         - 150         Carbaryl	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Acequinocyl Acequinocyl Acequinocyl Acetamiprid ND 0.1 0.947 1.00 94.7 50 - 150 HB Acetamiprid ND 0.1 0.948 1.00 94.7 50 - 150 HB Acctamiprid ND 0.1 0.948 1.00 94.8 50 - 150 HB Acoxystrobin ND 0.1 0.930 1.00 93.0 50 - 150 HB Bifenzate ND 0.1 1.66 1.00 166 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 166 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 166 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 166 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 166 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 92.2 50 - 150 HB Bifenthrin ND 0.1 0.922 1.00 92.2 50 - 150 HB Carborun ND 0.1 0.997 1.00 92.2 50 - 150 HB Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150 HB Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150 HB Chlorpyrifos ND 0.1 0.997 1.00 94.6 50 - 150 HB Chlorpyrifos ND 0.1 0.997 1.00 97.2 50 - 150 HB Chlorpyrifos ND 0.1 0.997 1.00 97.2 50 - 150 HB Chlorpyrifos ND 0.1 0.997 1.00 97.2 50 - 150 HB Chlorpyrifos ND 0.1 0.997 1.00 97.2 50 - 150 HB Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 HB Cyfluthrin ND 0.5 0.937 1.00 97.6 50 - 150 HB Cyfluthrin ND 0.1 0.997 1.00 93.7 50 - 150 HB Cyfluthoros (DDVP) ND 0.5 0.820 1.00 82.0 50 - 150 HB Chlorvos (DDVP) ND 0.5 0.820 1.00 82.0 50 - 150 HB Etoprophos ND 0.1 1.03 1.00 100 50 - 150 HB Fenoxycarb ND 0.1 1.03 1.00 100 50 - 150 HB Fenoxycarb ND 0.1 1.00 1.00 99.8 50 - 150 HB Fenoxycarb ND 0.1 1.00 0.1 0.885 1.00 85.9 50 - 150 HB Fenoxycarb ND 0.1 1.00 0.1 0.885 1.00 85.9 50 - 150 HB Fenoxycarb ND 0.1 1.00 0.1 0.885 1.00 86.8 50 - 150 HB Filodioxonil ND 0.1 1.08 1.00 110 85.0 100 97.2 50 - 150 HB Fuldioxonil ND 0.1 1.08 1.00 97.2 50 - 150 HB Fuldioxonil ND 0.1 1.08 1.00 97.2 50 - 150 HB Kresoxim-methyl ND 0.1 0.992 1.00 97.2 50 - 150 HB Kresoxim-methyl ND 0.1 0.992 1.00 97.2 50 - 150 HB	Abamectin	ND	0.1	1.06	1.00	106	50 - 150	
Acetamiprid ND 0.1 0.947 1.00 94.7 50 - 150 Aldicarb ND 0.1 0.948 1.00 94.8 50 - 150 Azoxystrobin ND 0.1 0.930 1.00 93.0 50 - 150 Bifenazate ND 0.1 1.06 1.00 166 50 - 150 Bifentrin ND 0.1 1.05 1.00 165 50 - 150 Bifentrin ND 0.1 0.922 1.00 92.2 50 - 150 Boscalid ND 0.1 0.922 1.00 92.2 50 - 150 Carboryl ND 0.1 0.992 1.00 92.6 50 - 150 Carboryl ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150 Chlorprifos ND 0.1 0.952 1.00 95.2 50 - 150 Chlorpryifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Daminozide ND 0.5 0.221 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dimethoate ND 0.1 0.937 1.00 93.7 50 - 150 Ethoprophos ND 0.1 0.937 1.00 93.7 50 - 150 Etofenprox ND 0.1 1.03 1.00 91.0 50 - 150 Etoxazole ND 0.1 1.03 1.00 91.0 50 - 150 Etoxazole ND 0.1 1.00 1.00 99.8 50 - 150 Fenpyroximate ND 0.1 1.00 1.00 99.8 50 - 150 Fenpyroximate ND 0.1 0.885 1.00 85.9 50 - 150 Fipronil ND 0.1 0.886 1.00 86.8 50 - 150 Fipronil ND 0.1 0.886 1.00 86.8 50 - 150 Fipronil ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.08 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.09 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.09 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.00 97.2 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.00 97.2 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.00 97.2 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.00 97.2 1.00 97.2 50 - 150 Filodicoxoril ND 0.1 1.00 97.2 1.00 97.2 50 - 150	Acephate	ND	0.1	0.967	1.00	96.7	50 - 150	
Aldicarb ND 0.1 0.948 1.00 94.8 50 - 150  Azoxystrobin ND 0.1 0.930 1.00 93.0 50 - 150  Bifenazate ND 0.1 1.66 1.00 166 50 - 150 HB  Bifenazate ND 0.1 1.05 1.00 105 50 - 150  Boscalid ND 0.1 0.922 1.00 92.2 50 - 150  Carbaryl ND 0.1 0.997 1.00 99.7 50 - 150  Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150  Chlorantraniliprole ND 0.1 0.952 1.00 95.2 50 - 150  Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150  Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150  Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150  Cypermethrin ND 0.1 0.976 1.00 93.7 50 - 150  Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150  Dimainozide ND 0.5 0.937 1.00 93.7 50 - 150  Dimainozide ND 0.1 0.937 1.00 93.7 50 - 150  Dimathoate ND 0.1 0.937 1.00 93.7 50 - 150  Ethoprophos ND 0.1 0.882 1.00 82.0 50 - 150  Ettofenprox ND 0.1 1.03 1.00 88.2 50 - 150  Ettofenprox ND 0.1 1.03 1.00 88.2 50 - 150  Ettofenprox ND 0.1 1.03 1.00 103 50 - 150  Etoxazole ND 0.1 1.00 1.00 100 50 - 150  Fenoxycarb ND 0.1 1.00 1.00 99.8 50 - 150  Fenoxycarb ND 0.1 1.00 1.00 99.8 50 - 150  Fenoxycarb ND 0.1 1.00 1.00 99.8 50 - 150  Fipronil ND 0.1 0.868 1.00 85.9 50 - 150  Fludioxonil ND 0.1 1.08 1.00 116 50 - 150  Hexythiazox ND 0.1 1.08 1.00 108 50 - 150  Imazalil ND 0.1 0.972 1.00 97.2 50 - 150  Imidacloprid ND 0.1 1.01 1.00 100 97.2 50 - 150  Imidacloprid ND 0.1 1.01 1.00 100 97.2 50 - 150	Acequinocyl	ND	1.5	1.85	1.00	185	50 - 150	НВ
Azoxystrobin         ND         0.1         0.930         1.00         93.0         50 - 150         HB           Bifenazate         ND         0.1         1.66         1.00         166         50 - 150         HB           Bifenthrin         ND         0.1         1.05         1.00         105         50 - 150         HB           Boscalid         ND         0.1         0.922         1.00         92.2         50 - 150         150           Carbaryl         ND         0.1         0.926         1.00         92.6         50 - 150           Carbofuran         ND         0.1         0.997         1.00         99.7         50 - 150           Chlorantraniliprole         ND         0.1         0.946         1.00         94.6         50 - 150           Chloropyrifos         ND         0.1         0.952         1.00         95.2         50 - 150           Chloropyrifos         ND         0.1         0.972         1.00         97.2         50 - 150           Chloropyrifos         ND         0.1         0.881         1.00         93.7         50 - 150           Chloropyrifos         ND         0.1         0.976         1.00         97.	Acetamiprid	ND	0.1	0.947	1.00	94.7	50 - 150	
Bifenazate ND 0 0.1 1.66 1.00 165 50 - 150 HB Bifenthrin ND 0.1 1.05 1.00 105 50 - 150 Boscalid ND 0.1 0.922 1.00 92.2 50 - 150 Carbaryl ND 0.1 0.997 1.00 92.6 50 - 150 Carbofuran ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.952 1.00 95.2 50 - 150 Chlorantraniliprole ND 0.1 0.952 1.00 95.2 50 - 150 Chloryrifos ND 0.1 0.972 1.00 97.2 50 - 150 Chlorpyrifos ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Daminozide ND 0.5 0.221 1.00 97.6 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dichlorvos (DDVP) ND 0.5 0.820 1.00 82.0 50 - 150 Ethoprophos ND 0.1 0.882 1.00 82.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 91.0 50 - 150 Etotazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Fenpyroximate ND 0.1 1.00 1.00 99.8 50 - 150 Fenpyroximate ND 0.1 1.00 1.00 99.8 50 - 150 Fipronil ND 0.1 1.00 1.00 99.8 50 - 150 Fipronil ND 0.1 1.00 99.8 1.00 85.9 50 - 150 Fludioxonil ND 0.1 1.08 1.00 97.2 50 - 150 Hexythiazox ND 0.1 1.08 1.00 97.2 50 - 150 Imazalil ND 0.1 1.01 1.00 97.2 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 97.2 50 - 150	Aldicarb	ND	0.1	0.948	1.00	94.8	50 - 150	
Bifenthrin ND 0.1 1.05 1.00 105 50 - 150 Boscalid ND 0.1 0.922 1.00 92.2 50 - 150 Carbaryl ND 0.1 0.997 1.00 92.6 50 - 150 Carbofuran ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.997 1.00 99.7 50 - 150 Chlorpyrifos ND 0.1 0.952 1.00 95.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Ethoprophos ND 0.1 0.982 1.00 82.0 50 - 150 Ethoprophos ND 0.1 0.882 1.00 82.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.00 1.00 100 50 - 150 Fenpyroximate ND 0.1 0.998 1.00 99.8 50 - 150 Fenpyroximate ND 0.1 0.998 1.00 99.8 50 - 150 Fipronil ND 0.1 0.889 1.00 99.8 50 - 150 Fipronil ND 0.1 0.889 1.00 99.8 50 - 150 Fipronil ND 0.1 1.00 1.00 116 50 - 150 Fipronil ND 0.1 0.868 1.00 86.8 50 - 150 Fipronil ND 0.1 1.00 1.00 100 50 - 150 Fipronil ND 0.1 0.868 1.00 86.8 50 - 150 Fipronil ND 0.1 0.868 1.00 86.8 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.992 1.00 97.2 50 - 150 Fipronil ND 0.1 0.	Azoxystrobin	ND	0.1	0.930	1.00	93.0	50 - 150	
Boscalid         ND         0.1         0.922         1.00         92.2         50 - 150           Carbaryl         ND         0.1         0.926         1.00         92.6         50 - 150           Carbofuran         ND         0.1         0.997         1.00         99.7         50 - 150           Chlorantraniliprole         ND         0.1         0.946         1.00         94.6         50 - 150           Chlorpyrifos         ND         0.1         0.952         1.00         95.2         50 - 150           Chlorpyrifos         ND         0.1         0.972         1.00         97.2         50 - 150           Chlorpyrifos         ND         0.1         0.972         1.00         97.2         50 - 150           Chlorpyrifos         ND         0.1         0.881         1.00         93.7         50 - 150           Clofentezine         ND         0.1         0.976         1.00         93.7         50 - 150           Clofentezine         ND         0.5         0.937         1.00         93.7         50 - 150           Clofentezine         ND         0.5         0.921         1.00         93.7         50 - 150           Diminorionion	Bifenazate	ND	0.1	1.66	1.00	166	50 - 150	НВ
Carbaryl ND 0.1 0.926 1.00 92.6 50 - 150 Carbofuran ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.946 1.00 94.6 50 - 150 Chlorfenapyr ND 0.1 0.952 1.00 95.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.976 1.00 93.7 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Diazinon ND 0.1 0.976 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dimethoate ND 0.1 0.998 1.00 82.0 50 - 150 Etofenprox ND 0.1 1.00 91.0 50 - 150 Etoxazole ND 0.1 1.00 100 103 50 - 150 Etoxazole ND 0.1 1.00 100 100 50 - 150 Fenoxycarb ND 0.1 1.00 1.00 100 50 - 150 Fenoxycarb ND 0.1 1.00 1.00 100 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.00 0.868 1.00 86.8 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.1 1.00 0.972 1.00 97.2 50 - 150 Fipronil ND 0.00 0.	Bifenthrin	ND	0.1	1.05	1.00	105	50 - 150	
Carbofuran ND 0.1 0.997 1.00 99.7 50 - 150 Chlorantraniliprole ND 0.1 0.946 1.00 94.6 50 - 150 Chlorfenapyr ND 0.1 0.952 1.00 95.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.998 1.00 82.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 91.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.00 1.00 100 50 - 150 Fenoxycarb ND 0.1 1.00 1.00 99.8 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 1.00 101 50 - 150 Fipronil ND 0.1 1.00 101 50 -	Boscalid	ND	0.1	0.922	1.00	92.2	50 - 150	
Chlorantraniliprole ND 0.1 0.946 1.00 94.6 50 - 150 Chlorfenapyr ND 0.1 0.952 1.00 95.2 50 - 150 Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Daminozide ND 0.5 0.221 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dimethoate ND 0.1 0.910 1.00 91.0 50 - 150 Ethoprophos ND 0.1 1.00 91.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.00 1.00 100 50 - 150 Fenpyroximate ND 0.1 1.00 1.00 99.8 50 - 150 Fipronil ND 0.1 0.998 1.00 99.8 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 116 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.08 1.00 108 50 - 150 Fipronil ND 0.1 1.00 1.00 108 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 100 97.2 50 - 150 Fipronil ND 0.1 1.00 90.90 100 97.2 50 - 150 Fipronil ND 0.1 1.00 90.90 100 97.2 50 - 150 Fipronil ND 0.1 1.00 90.90 100 90.2 50 - 150 Fipronil ND 0.1 1.00 90.90 100 90.2 50 - 150 Fipronil ND 0.1 1.00 90.90 100 90.2 50 - 150 Fipronil ND 0.1 1.00 90.90 90.2 50 - 150 Fipronil ND 0.1 1.00 90.90 90.2 50 - 150 Fipronil	Carbaryl	ND	0.1	0.926	1.00	92.6	50 - 150	
Chlorfenapyr  ND  0.1 0.952 1.00 95.2 50 - 150  Chlorpyrifos  ND  0.1 0.972 1.00 97.2 50 - 150  Clofentezine  ND  0.1 0.881 1.00 88.1 50 - 150  Cyfluthrin  ND  0.5 0.937 1.00 97.6 50 - 150  Cypermethrin  ND  0.1 0.976 1.00 97.6 50 - 150  Cypermethrin  ND  0.1 0.976 1.00 97.6 50 - 150  Daminozide  ND  0.1 0.937 1.00 93.7 50 - 150  Diazinon  ND  0.1 0.937 1.00 93.7 50 - 150  Diazinon  ND  0.1 0.937 1.00 93.7 50 - 150  Diazinon  ND  0.1 0.937 1.00 93.7 50 - 150  Diazinon  ND  0.1 0.937 1.00 93.7 50 - 150  Ethoprophos  ND  0.1 0.910 1.00 91.0 50 - 150  Ethoprophos  ND  0.1 1.03 1.00 103 50 - 150  Etotazole  ND  0.1 1.03 1.00 103 50 - 150  Etoxazole  ND  0.1 1.00 1.00 100 50 - 150  Fenoxycarb  ND  0.1 1.00 1.00 99.8 50 - 150  Fenpyroximate  ND  0.1 1.00 1.00 99.8 50 - 150  Fludioxonil  ND  0.1 1.16 1.00 116 50 - 150  Fludioxonil  ND  0.1 1.08 1.00 97.2 50 - 150  Imazalil  ND  0.1 1.01 1.02 1.00 97.2 50 - 150  Kresoxim-methyl  ND  0.1 0.992 1.00 90.2 50 - 150	Carbofuran	ND	0.1	0.997	1.00	99.7	50 - 150	
Chlorpyrifos ND 0.1 0.972 1.00 97.2 50 - 150 Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dimethoate ND 0.1 0.910 1.00 91.0 50 - 150 Ethoprophos ND 0.1 0.882 1.00 88.2 50 - 150 Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.00 1.00 100 50 - 150 Fenoxycarb ND 0.1 1.00 1.00 100 50 - 150 Fenoxycarb ND 0.1 1.00 1.00 100 50 - 150 Fipronil ND 0.1 0.998 1.00 99.8 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Fludioxonil ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.00 100 97.2 50 - 150 Fludioxonil ND 0.1 1.00 1.00 97.2 50 - 150 Fludioxonil ND 0.1 1.00 90.2 50 -	Chlorantraniliprole	ND	0.1	0.946	1.00	94.6	50 - 150	
Clofentezine ND 0.1 0.881 1.00 88.1 50 - 150 Cyfluthrin ND 0.5 0.937 1.00 93.7 50 - 150 Cypermethrin ND 0.1 0.976 1.00 97.6 50 - 150 Daminozide ND 0.5 0.221 1.00 22.1 10 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Diazinon ND 0.1 0.937 1.00 93.7 50 - 150 Dimethoate ND 0.1 0.910 1.00 91.0 50 - 150 Dimethoate ND 0.1 0.910 1.00 91.0 50 - 150 Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 1.00 1.00 100 50 - 150 Fenpyroximate ND 0.1 1.00 1.00 100 50 - 150 Fenpyroximate ND 0.1 0.998 1.00 99.8 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Fludioxonil ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 108 50 - 150 Fludioxonil ND 0.1 1.08 1.00 97.2 50 - 150 Imazalil ND 0.1 1.08 1.00 97.2 50 - 150 Imazalil ND 0.1 1.01 1.00 101 50 - 150 Imazalil ND 0.1 1.01 1.00 101 50 - 150 Imazalil ND 0.1 1.01 1.00 90.2 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imazalil ND 0.1 0.902 1.00 90.2 50 - 150 Imazalil ND 0.1	Chlorfenapyr	ND	0.1	0.952	1.00	95.2	50 - 150	
Cyfluthrin         ND         0.5         0.937         1.00         93.7         50 - 150           Cypermethrin         ND         0.1         0.976         1.00         97.6         50 - 150           Daminozide         ND         0.5         0.221         1.00         22.1         10 - 150           Diazinon         ND         0.1         0.937         1.00         93.7         50 - 150           Dichlorvos (DDVP)         ND         0.5         0.820         1.00         82.0         50 - 150           Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fipronil         ND         0.1         0.859         1.00         85.9         50 - 150	Chlorpyrifos	ND	0.1	0.972	1.00	97.2	50 - 150	
Cypermethrin         ND         0.1         0.976         1.00         97.6         50 - 150           Daminozide         ND         0.5         0.221         1.00         22.1         10 - 150           Diazinon         ND         0.1         0.937         1.00         93.7         50 - 150           Dichlorvos (DDVP)         ND         0.5         0.820         1.00         82.0         50 - 150           Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fenpyroximate         ND         0.1         0.859         1.00         99.8         50 - 150         FISO           Fludioxonil         ND         0.1         1.16         1.00         116         50 - 150 <td>Clofentezine</td> <td>ND</td> <td>0.1</td> <td>0.881</td> <td>1.00</td> <td>88.1</td> <td>50 - 150</td> <td></td>	Clofentezine	ND	0.1	0.881	1.00	88.1	50 - 150	
Daminozide         ND         0.5         0.221         1.00         22.1         10 - 150           Diazinon         ND         0.1         0.937         1.00         93.7         50 - 150           Dichlorvos (DDVP)         ND         0.5         0.820         1.00         82.0         50 - 150           Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150           Fipronil         ND         0.1         1.16         1.00         116         50 - 150           Fludioxonil         ND         0.1         1.08         1.00         86.8         50 - 150	Cyfluthrin	ND	0.5	0.937	1.00	93.7	50 - 150	
Diazinon         ND         0.1         0.937         1.00         93.7         50 - 150           Dichlorvos (DDVP)         ND         0.5         0.820         1.00         82.0         50 - 150           Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         99.8         50 - 150         HB           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150           Flonicamid         ND         0.1         1.16         1.00         116         50 - 150           Fludioxonil         ND         0.1         1.16         1.00         116         50 - 150           Hexythiazox         ND         0.1         1.08         1.00         97.2         50 - 150	Cypermethrin	ND	0.1	0.976	1.00	97.6	50 - 150	
Dichlorvos (DDVP)         ND         0.5         0.820         1.00         82.0         50 - 150           Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150         HS           Fipronil         ND         0.1         0.859         1.00         85.9         50 - 150         HS           Fludioxonil         ND         0.1         1.16         1.00         116         50 - 150         HS           Hexythiazox         ND         0.1         1.08         1.00         97.2         50 - 150           Imazalil         ND         0.1         0.972         1.00	Daminozide	ND	0.5	0.221	1.00	22.1	10 - 150	
Dimethoate         ND         0.1         0.910         1.00         91.0         50 - 150           Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150         FD           Fipronil         ND         0.1         0.859         1.00         85.9         50 - 150         FD           Fludioxonil         ND         0.1         1.16         1.00         116         50 - 150         FD           Hexythiazox         ND         0.1         1.08         1.00         86.8         50 - 150         FD           Imazalil         ND         0.1         0.972         1.00         97.2         50 - 150           Kresoxim-methyl         ND         0.1         0.902         1.00	Diazinon	ND	0.1	0.937	1.00	93.7	50 - 150	
Ethoprophos         ND         0.1         0.882         1.00         88.2         50 - 150           Etofenprox         ND         0.1         1.03         1.00         103         50 - 150           Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         HB           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150         FD           Fipronil         ND         0.1         0.859         1.00         85.9         50 - 150         FD           Fludioxonil         ND         0.1         1.16         1.00         116         50 - 150         FD           Hexythiazox         ND         0.1         1.08         1.00         108         50 - 150         FD           Imazalil         ND         0.1         0.972         1.00         97.2         50 - 150           Kresoxim-methyl         ND         0.1         0.902         1.00         90.2         50 - 150	Dichlorvos (DDVP)	ND	0.5	0.820	1.00	82.0	50 - 150	
Etofenprox ND 0.1 1.03 1.00 103 50 - 150 Etoxazole ND 0.1 2.54 1.00 254 50 - 150 HB Fenoxycarb ND 0.1 1.00 1.00 100 50 - 150 Fenpyroximate ND 0.1 0.859 1.00 99.8 50 - 150 Fipronil ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 1.06 1.00 116 50 - 150 Fludioxonil ND 0.1 1.08 1.00 86.8 50 - 150 Hexythiazox ND 0.1 1.08 1.00 108 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 101 50 - 150 Kresoxim-methyl ND 0.1 0.902 1.00 90.2 50 - 150	Dimethoate	ND	0.1	0.910	1.00	91.0	50 - 150	
Etoxazole         ND         0.1         2.54         1.00         254         50 - 150         HB           Fenoxycarb         ND         0.1         1.00         1.00         100         50 - 150         150           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50 - 150           Fipronil         ND         0.1         0.859         1.00         85.9         50 - 150           Flonicamid         ND         0.1         1.16         1.00         116         50 - 150           Fludioxonil         ND         0.1         0.868         1.00         86.8         50 - 150           Hexythiazox         ND         0.1         1.08         1.00         97.2         50 - 150           Imazalil         ND         0.1         0.972         1.00         97.2         50 - 150           Kresoxim-methyl         ND         0.1         0.902         1.00         90.2         50 - 150	Ethoprophos	ND	0.1	0.882	1.00	88.2	50 - 150	
Fenoxycarb         ND         0.1         1.00         1.00         100         50         - 150           Fenpyroximate         ND         0.1         0.998         1.00         99.8         50         - 150           Fipronil         ND         0.1         0.859         1.00         85.9         50         - 150           Flonicamid         ND         0.1         1.16         1.00         116         50         - 150           Fludioxonil         ND         0.1         0.868         1.00         86.8         50         - 150           Hexythiazox         ND         0.1         1.08         1.00         108         50         - 150           Imazalil         ND         0.1         0.972         1.00         97.2         50         - 150           Kresoxim-methyl         ND         0.1         0.902         1.00         90.2         50         - 150	Etofenprox	ND	0.1	1.03	1.00	103	50 - 150	
Fenpyroximate ND 0.1 0.998 1.00 99.8 50 - 150 Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Flonicamid ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 0.868 1.00 86.8 50 - 150 Hexythiazox ND 0.1 1.08 1.00 108 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 101 50 - 150 Kresoxim-methyl ND 0.1 0.902 1.00 90.2 50 - 150	Etoxazole	ND	0.1	2.54	1.00	254	50 - 150	НВ
Fipronil ND 0.1 0.859 1.00 85.9 50 - 150 Flonicamid ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 1.08 1.00 86.8 50 - 150 Hexythiazox ND 0.1 1.08 1.00 108 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 101 50 - 150 Kresoxim-methyl ND 0.1 0.902 1.00 90.2 50 - 150	Fenoxycarb	ND	0.1	1.00	1.00	100	50 - 150	
Flonicamid ND 0.1 1.16 1.00 116 50 - 150 Fludioxonil ND 0.1 0.868 1.00 86.8 50 - 150 Hexythiazox ND 0.1 1.08 1.00 108 50 - 150 Imazalil ND 0.1 0.972 1.00 97.2 50 - 150 Imidacloprid ND 0.1 1.01 1.00 101 50 - 150 Kresoxim-methyl ND 0.1 0.902 1.00 90.2 50 - 150	Fenpyroximate	ND	0.1	0.998	1.00	99.8	50 - 150	
Fludioxonil       ND       0.1       0.868       1.00       86.8       50 - 150         Hexythiazox       ND       0.1       1.08       1.00       108       50 - 150         Imazalil       ND       0.1       0.972       1.00       97.2       50 - 150         Imidacloprid       ND       0.1       1.01       1.00       101       50 - 150         Kresoxim-methyl       ND       0.1       0.902       1.00       90.2       50 - 150	Fipronil	ND	0.1	0.859	1.00	85.9	50 - 150	
Hexythiazox       ND       0.1       1.08       1.00       108       50 - 150         Imazalil       ND       0.1       0.972       1.00       97.2       50 - 150         Imidacloprid       ND       0.1       1.01       1.00       101       50 - 150         Kresoxim-methyl       ND       0.1       0.902       1.00       90.2       50 - 150	Flonicamid	ND	0.1	1.16	1.00	116	50 - 150	
Image: Image of the properties of the prope	Fludioxonil	ND	0.1	0.868	1.00	86.8	50 - 150	
Imidacloprid         ND         0.1         1.01         1.00         101         50 - 150           Kresoxim-methyl         ND         0.1         0.902         1.00         90.2         50 - 150	Hexythiazox	ND	0.1	1.08	1.00	108	50 - 150	
Kresoxim-methyl ND 0.1 0.902 1.00 90.2 50 - 150	Imazalil	ND	0.1	0.972	1.00	97.2	50 - 150	
·	Imidacloprid	ND	0.1	1.01	1.00	101	50 - 150	
Malathion ND 0.1 0.975 1.00 97.5 50 - 150	Kresoxim-methyl	ND	0.1	0.902	1.00	90.2	50 - 150	
	Malathion	ND	0.1	0.975	1.00	97.5	50 - 150	

Pesticides QC Analysis Date: 4/9/2020 Pesticides QC Batch ID: PST 040920A Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	0.871	1.00	87.1	50 - 150	
Methiocarb	ND	0.1	0.911	1.00	91.1	50 - 150	
Methomyl	ND	0.1	0.873	1.00	87.3	50 - 150	
Methyl Parathion	ND	0.2	0.441	1.00	44.1	30 - 150	
MGK-264	ND	0.2	0.655	0.600	109	50 - 150	
Myclobutanil	ND	0.1	0.975	1.00	97.5	50 - 150	
Naled	ND	0.2	0.890	1.00	89.0	50 - 150	
Oxamyl	ND	0.1	0.964	1.00	96.4	50 - 150	
Paclobutrazol	ND	0.1	0.988	1.00	98.8	50 - 150	
Permethrins	ND	0.1	0.466	1.00	46.6	50 - 150	ME
Phosmet	ND	0.1	0.900	1.00	90.0	50 - 150	
Piperonyl Butoxide	ND	0.1	0.987	1.00	98.7	50 - 150	
Prallethrin	ND	0.1	0.895	1.00	89.5	50 - 150	
Propiconazole	ND	0.1	0.950	1.00	95.0	50 - 150	
Propoxur	ND	0.1	0.896	1.00	89.6	50 - 150	
Pyrethrins	ND	0.5	0.441	1.00	44.1	50 - 150	ME
Pyridaben	ND	0.1	0.967	1.00	96.7	50 - 150	
Spinosad	ND	0.1	1.10	1.00	110	50 - 150	
Spiromesifen	ND	0.1	0.877	1.00	87.7	50 - 150	
Spirotetramat	ND	0.1	0.923	1.00	92.3	50 - 150	
Spiroxamine	ND	0.1	0.938	1.00	93.8	50 - 150	
Tebuconazole	ND	0.1	0.976	1.00	97.6	50 - 150	
Thiacloprid	ND	0.1	0.908	1.00	90.8	50 - 150	
Thiamethoxam	ND	0.1	0.982	1.00	98.2	50 - 150	
Trifloxystrobin	ND	0.1	0.962	1.00	96.2	50 - 150	



OLCC #010-1003340D344

## 404 - Platinum GSC RCO 4.6.20

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

Sample Type: Extracts Sample Date: 4/7/2020 Analysis Date: 4/8/2020 Report Date: 4/14/2020

Metrc Batch ID: 1A4010300016315000023986 Metrc Sample ID: 1A4010300016315000023989 Harvest/Process Date: 4/6/2020 Report ID: LS-200414-5 Sample Plan ID:SP-200407-4-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007



Solvents Analysis Date: 4/10/2020 Solvents Batch ID: RES 041020A

Method: EPA 5021A Unit: µg/g (ppm)

Pass 🕢

Analyte	CJD-XGT-SGS	RDD-DMC-ZGN	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



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

Sample Type: Extracts Sample Date: 4/7/2020 Analysis Date: 4/8/2020 Report Date: 4/14/2020

Metrc Batch ID: 1A4010300016315000023986 Metrc Sample ID: 1A4010300016315000023989 Harvest/Process Date: 4/6/2020 Report ID: LS-200414-5 Sample Plan ID:SP-200407-4-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007



Solvents QC Analysis Date: 4/10/2020 Solvents QC Batch ID: RES 041020A

Method: EPA 5021A Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	863	1000	86.3	70 - 130	
2-Butanol	ND	250.0	904	1000	90.4	70 - 130	
2-Ethoxyethanol	ND	50.0	821	1000	82.1	70 - 130	
Acetone	ND	250.0	837	1000	83.7	70 - 130	
Acetonitrile	ND	50.0	876	1000	87.6	70 - 130	
Benzene	ND	2.0	20.3	20.0	102	70 - 130	
Butanes	ND	250.0	1790	2000	89.7	70 - 130	
Cumene	ND	50.0	867	1000	86.7	70 - 130	
Cyclohexane	ND	50.0	835	1000	83.5	70 - 130	
Ethyl Acetate	ND	250.0	875	1000	87.5	70 - 130	
Ethyl Ether	ND	250.0	807	1000	80.7	70 - 130	
Ethylene Glycol	ND	250.0	869	1000	86.9	70 - 130	
Ethylene Oxide	ND	50.0	846	1000	84.6	70 - 130	
Heptane	ND	250.0	850	1000	85.0	70 - 130	
Hexanes	ND	50.0	4280	5000	85.5	70 - 130	
Isopropanol (2-Propanol)	ND	50.0	916	1000	91.6	70 - 130	
Isopropyl Acetate	ND	250.0	893	1000	89.3	70 - 130	
Methanol	ND	250.0	771	1000	77.1	70 - 130	
Dichloromethane	ND	50.0	844	1000	84.4	70 - 130	
Pentanes	ND	250.0	2600	3000	86.8	70 - 130	
Propane	ND	250.0	891	1000	89.1	70 - 130	
Tetrahydrofuran	ND	50.0	888	1000	88.8	70 - 130	
Toluene	ND	50.0	871	1000	87.1	70 - 130	
Xylenes	ND	50.0	3510	4000	87.8	70 - 130	



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/7/2020 Analysis Date: 4/8/2020 Report Date: 4/14/2020 Metrc Batch ID: 1A4010300016315000023986 Metrc Sample ID: 1A4010300016315000023989 Harvest/Process Date: 4/6/2020 Report ID: LS-200414-5 Sample Plan ID:SP-200407-4-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

### **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