

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

# 361 - Master Blue RCO 12.31.19

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

Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020

Metrc Batch ID: 1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883

Harvest/Process Date: 12/31/2019 Report ID: LS-200109-6

### Potency

Potency Analysis Date: 1/8/2020 Potency Batch ID: CAN\_010820C Potency Method: JAOAC 2015.1

77.8%	Total THC
0.411%	Total CBD
Samples: BTP-HZZ-TMC, FPP-XRD-HBG	



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.		U
<b>ДЭТНС</b>	Delta-9 Tetrahydrocannabinol	0.16	5.07	75.8	79.7	77.8		
THCA	Tetrahydrocannabinolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td><td></td></l0q<>		
CBD	Cannabidiol	0.16	10.1	0.390	0.431	0.411	•	
CBDA	Cannabidiolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td><td></td></l0q<>		
∆8THC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td><td></td></l0q<>		
тнсу	Tetrahydrocannabivarin*	0.16	20.1	0.746	0.912	0.829	•	
CBG	Cannabigerol*	0.16	7.27	2.59	2.78	2.69	•	
CBGA	Cannabigerolic acid*	0.16	3.19	0.477	0.493	0.485	•	
CBC	Cannabichromene*	0.16	3.23	2.24	2.31	2.28	•	
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND		
CBN	Cannabinol	0.16	34.7	0.266	0.378	0.322	•	
Total THC	$\Delta$ 9THC + (THCA × 0.877)		5.07	75.8	79.7	77.8		
Total CBD	CBD + (CBDA $\times$ 0.877)		10.1	0.390	0.431	0.411	•	
Total			4.96	82.5	87.0	84.8		

### Compliance

Pesticides	Within limits	Analysis Date: 1/8/2020	Pass ⊘
Solvents	Within limits	Analysis Date: 1/9/2020	Pass ⊘
Potency	Within limits	Analysis Date: 1/8/2020	Pass ⊘

Prize Hat Bryce Kidd, Ph.D. Lab Director



Chief Science Officer



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## 361 - Master Blue RCO 12.31.19

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



#### Terpenes\* Sample Data

Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020 Metrc Batch ID:

1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883

Terpene Analysis Date: 1/7/2020 Terpene Batch ID: TRP\_010720A Harvest/Process Date: 12/31/2019 Report ID:

LS-200109-6

Method: JAOAC 2015.1 Unit: %

Analyte	Avg.	Notes
Selinadiene	2.38%	
β-Caryophyllene	0.593%	
β-Farnesene 2	0.477%	
Linalool	0.411%	-
Guaiol	0.359%	-
β-Myrcene	0.259%	•
Humulene	0.218%	•
Caryophyllene Oxide	0.210%	•
Valencene	0.190%	•
Terpinolene	0.156%	•
Limonene	0.149%	•
β-Ocimene	0.110%	•
Fenchol	0.0792%	•
β-Pinene	0.0407%	•
Sabinene	0.0393%	•
Eucalyptol	0.0278%	•
α-Bisabolol	0.0209%	•
a-Pinene	0.0208%	•
a-Terpinene	0.0142%	•
α-Phellandrene	0.0124%	•
a-Ocimene	0.00951%	•
γ-Terpinene	0.00833%	•
Fenchone	0.00654%	•
Camphene	0.00246%	•
Geraniol	0.000814%	•
Azulene	ND	
Borneol	ND	
Camphore	ND	
Cedrol	ND	

Analyte	Avg.	Notes
Cymene	ND	
Geranyl Acetate	ND	
Isoborneol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	
Sabinene Hydrate	ND	
cis-Nerolidol	ND	
trans-Nerolidol	ND	
∆3-Carene	ND	
a-Cedrene	ND	
a-Terpineol	ND	
β-Farnesene 1	ND	
γ-Terpineol	ND	
Total	5.80%	



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#### Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020

Metrc Batch ID:

1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883 Harvest/Process Date: 12/31/2019

Report ID:

### LS-200109-6

Pesticides Analysis Date: 1/8/2020 Pesticides Batch ID: PST\_010820A **Method**: EN 15662 **Unit:** μg/g (ppm) Pass 🥪



Kresoxim-methyl

Malathion

Act amipridNDNDND0.20.1PassAldicarbNDNDND0.40.1PassAldicarbNDNDND0.20.1PassBifenazateNDND0.20.1PassBifenthrinNDND0.20.1PassBoscalidNDND0.20.1PassCarbarylNDND0.20.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorpyrifosNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND0.20.1PassDiazinonNDND1.00.1PassDichlorvos (DDVP)NDND1.00.5PassDiazinonNDND0.20.1PassEtofenproxNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.40.1PassFenorycarbNDND0.40.1PassFipronilNDND0.40.1PassFunctionidNDND0.40.1Pass <th>Analyte</th> <th>FPP-XRD-HBG</th> <th>BTP-HZZ-TMC</th> <th>Limits</th> <th>LOQ</th> <th>Notes</th> <th>Status</th>	Analyte	FPP-XRD-HBG	BTP-HZZ-TMC	Limits	LOQ	Notes	Status
AccquinocylNDND2.01.5PassAcctamipridNDND0.20.1PassAldicarbNDND0.40.1PassAldicarbNDND0.20.1PassBifenazateNDND0.20.1PassBifenthrinNDND0.20.1PassBoscalidNDND0.20.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorenteraniliproleNDND0.20.1PassChlorenteraniNDND0.20.1PassChlorenteraniNDND0.20.1PassChlorenteraniNDND0.20.1PassChlorenteraniNDND0.20.1PassChlorenteraniNDND0.20.1PassCyfluthrinNDND1.00.1PassDaminozideNDND1.00.1PassDichlorvos (DDVP)NDND0.20.1PassEtofenproxNDND0.20.1PassEtoracoleNDND0.20.1PassEtoracoleNDND0.20.1PassFenoxycarbNDND0.20.1Pass	Abamectin	ND	ND	0.5	0.1		Pass
AcetamipridNDND0.20.1PassAldicarbNDND0.40.1PassAldicarbNDND0.20.1PassBifenazateNDND0.20.1PassBifenthrinNDND0.20.1PassBoscalidNDND0.20.1PassCarbarylNDND0.20.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorpyrifosNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND0.20.1PassDaminozideNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEtofenproxNDND0.20.1PassEtorpophosNDND0.20.1PassFenoxycarbNDND0.20.1PassFenoxycarbNDND0.40.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFipronilND	Acephate	ND	ND	0.4	0.1		Pass
AldicarbNDND0.40.1PassAldicarbNDND0.20.1PassBifenazateNDND0.20.1PassBifenthrinNDND0.20.1PassBoscalidNDND0.20.1PassCarbarylNDND0.20.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCypermethrinNDND1.00.5PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDNDND0.20.1NDNDND0.20.1PassEtofenproxNDND0.20.1PassEtorpophosNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND	Acequinocyl	ND	ND	2.0	1.5		Pass
AzoxystrobinNDND0.20.1PassBifenazateNDND0.20.1PassBifenthrinNDND0.20.1PassBoscalidNDND0.40.1PassCarbarylNDND0.20.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCypermethrinNDND1.00.5PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND0.20.1PassEtofenproxNDND0.20.1PassEtorpophosNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonil <td>Acetamiprid</td> <td>ND</td> <td>ND</td> <td>0.2</td> <td>0.1</td> <td></td> <td>Pass</td>	Acetamiprid	ND	ND	0.2	0.1		Pass
BifenzateNDND0.20.1PassBifenthrinNDNDND0.20.1PassBoscalidNDND0.40.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorfentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND0.20.1PassDaminozideNDND1.00.5PassDiazinonNDND1.00.5PassDimethoateNDND0.20.1PassEtofenproxNDND0.20.1PassEtorprophosNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.20.1PassFipronilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludiox	Aldicarb	ND	ND	0.4	0.1		Pass
BifenthrinNDND0.20.1PassBoscalidNDND0.40.1PassCarbarylNDND0.20.1PassCarbofuranNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND0.20.1PassChlorpyrifosNDND0.20.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND1.00.5PassDaminozideNDND1.00.1PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEtofenproxNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxon	Azoxystrobin	ND	ND	0.2	0.1		Pass
BoscalidNDNDND0.40.1PassBoscalidNDNDND0.20.1PassCarbarylNDNDND0.20.1PassCarbofuranNDNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorpyrifosNDND1.00.1PassChorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND1.00.5PassDaminozideNDND1.00.1PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEthoprophosNDND0.20.1PassEtorproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassImazalilNDND0.20.1 <td>Bifenazate</td> <td>ND</td> <td>ND</td> <td>0.2</td> <td>0.1</td> <td></td> <td>Pass</td>	Bifenazate	ND	ND	0.2	0.1		Pass
CarbarylNDNDND0.20.1PassCarbofuranNDNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND1.00.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCyfluthrinNDND0.20.1PassCypermethrinNDND1.00.5PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEthoprophosNDND0.20.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Bifenthrin	ND	ND	0.2	0.1		Pass
CarbofuranNDNDND0.20.1PassChlorantraniliproleNDND0.20.1PassChlorfenapyrNDND1.00.1PassChlorpyrifosNDND0.20.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND0.20.1PassCypermethrinNDND1.00.5PassDaminozideNDND1.00.5PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEtofenproxNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Boscalid	ND	ND	0.4	0.1		Pass
ChlorantraniliproleNDND0.20.1PassChlorfenapyrNDNDND1.00.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND1.00.5PassCypermethrinNDND1.00.1PassDaminozideNDND1.00.1PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEtofenproxNDND0.20.1PassEtorazoleNDND0.20.1PassFenoxycarbNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Carbaryl	ND	ND	0.2	0.1		Pass
ChlorfenapyrNDNDND1.00.1PassChlorpyrifosNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND1.00.5PassCypermethrinNDND1.00.1PassDaminozideNDND1.00.1PassDiazinonNDND1.00.5PassDichlorvos (DDVP)NDND1.00.5PassEthoprophosNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.20.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND1.00.1PassFludiazoxNDND0.40.1PassFludiazoxNDND1.00.1PassFludiazoxNDND1.00.1PassFludiazoxNDND1.00.1PassFludiazoxNDND1.00.1PassFludiazoxNDND1.00.1PassFludiazoxNDND1.00.1Pass	Carbofuran	ND	ND	0.2	0.1		Pass
ChloropyrifosNDNDND0.20.1PassClofentezineNDND0.20.1PassCyfluthrinNDND1.00.5PassCypermethrinNDND1.00.1PassDaminozideNDND1.00.1PassDiazinonNDND1.00.5PassDiazinonNDND1.00.5PassDinethoateNDND1.00.5PassEtofenproxNDND0.20.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND0.40.1PassFludioxonilNDND1.00.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Chlorantraniliprole	ND	ND	0.2	0.1		Pass
ClockNDND0.20.1PassCyfluthrinNDND1.00.5PassCypermethrinNDND1.00.1PassDaminozideNDND1.00.5PassDiazinonNDND0.20.1PassDichlorvos (DDVP)NDND0.20.1PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.20.1PassFlonicamidNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND0.20.1Pass	Chlorfenapyr	ND	ND	1.0	0.1		Pass
CyfluthrinNDND1.00.5PassCypermethrinNDND1.00.1PassDaminozideNDND1.00.5PassDiazinonNDND0.20.1PassDichlorvos (DDVP)NDND1.00.5PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtoscazoleNDND0.40.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFludicxonilNDND0.40.1PassFludicxonilNDND0.40.1PassFludicxonilNDND1.00.1PassFludicxonilNDND1.00.1PassImazalilNDND0.20.1Pass	Chlorpyrifos	ND	ND	0.2	0.1		Pass
CypermethrinNDND1.00.1PassDaminozideNDND1.00.5PassDiazinonNDND0.20.1PassDichlorvos (DDVP)NDND1.00.5PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFenpyroximateNDND0.20.1PassFlonicamidNDND0.40.1PassFludioxonilNDND0.40.1PassFludioxonilNDND0.40.1PassFludiaconilNDND0.40.1PassFludiaconilNDND0.40.1PassFludiaconilNDND0.40.1PassFludiaconilNDND0.40.1PassFludiaconilNDND1.00.1PassFludiaconilNDND1.00.1PassFludiaconilNDND1.00.1PassFludiaconilNDND0.20.1Pass	Clofentezine	ND	ND	0.2	0.1		Pass
DaminozideNDND1.00.5PassDiazinonNDNDND0.20.1PassDichlorvos (DDVP)NDNDND1.00.5PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.20.1PassFenoxycarbNDND0.20.1PassFenorycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Cyfluthrin	ND	ND	1.0	0.5		Pass
DiazinonNDND0.20.1PassDichlorvos (DDVP)NDND1.00.5PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.40.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND0.40.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Cypermethrin	ND	ND	1.0	0.1		Pass
Dichlorvos (DDVP)NDNDND1.00.5PassDimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.40.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFinorialNDND0.40.1PassFipronilNDND0.40.1PassFludioxonilNDND1.00.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Daminozide	ND	ND	1.0	0.5		Pass
DimethoateNDND0.20.1PassEthoprophosNDND0.20.1PassEtofenproxNDND0.40.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFenorycarbNDND0.20.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND1.00.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Diazinon	ND	ND	0.2	0.1		Pass
EthoprophosNDND0.20.1PassEtofenproxNDND0.40.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFenpyroximateNDND0.40.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Dichlorvos (DDVP)	ND	ND	1.0	0.5		Pass
EtofenproxNDND0.40.1PassEtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFenpyroximateNDND0.40.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND1.00.1PassImazalilNDND1.00.1Pass	Dimethoate	ND	ND	0.2	0.1		Pass
EtoxazoleNDND0.20.1PassFenoxycarbNDND0.20.1PassFenpyroximateNDND0.40.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Ethoprophos	ND	ND	0.2	0.1		Pass
FenoxycarbNDND0.20.1PassFenpyroximateNDND0.40.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Etofenprox	ND	ND	0.4	0.1		Pass
FenpyroximateNDND0.40.1PassFipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Etoxazole	ND	ND	0.2	0.1		Pass
FipronilNDND0.40.1PassFlonicamidNDND1.00.1PassFludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Fenoxycarb	ND	ND	0.2	0.1		Pass
FlonicamidNDND1.00.1PassFludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Fenpyroximate	ND	ND	0.4	0.1		Pass
FludioxonilNDND0.40.1PassHexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Fipronil	ND	ND	0.4	0.1		Pass
HexythiazoxNDND1.00.1PassImazalilNDND0.20.1Pass	Flonicamid	ND	ND	1.0	0.1		Pass
Imazalil ND ND 0.2 0.1 Pass	Fludioxonil	ND	ND	0.4	0.1		Pass
	Hexythiazox	ND	ND	1.0	0.1		Pass
Imidacloprid ND ND 0.4 0.1 Pass	Imazalil	ND	ND	0.2	0.1		Pass
	Imidacloprid	ND	ND	0.4	0.1		Pass

ND

ND

ND

ND

0.4

0.1

0.2 0.1

Analyte	FPP-XRD-HBG	BTP-HZZ-TMC	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

Pass

Pass



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### 361 - Master Blue RCO 12.31.19

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

IJ

Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020 
 Metrc Batch ID:

 1A4010300016315000020636

 Metrc Sample ID:

 1A4010300016315000020883

Pesticides QC Analysis Date: 1/8/2020 Pesticides QC Batch ID: PST\_010820A Harvest/Process Date: 12/31/2019 Report ID:

LS-200109-6

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	0.876	1.00	87.6	50 - 150	
Acephate	ND	0.1	0.686	1.00	68.6	50 - 150	
Acequinocyl	ND	1.5	0.536	1.00	53.6	50 - 150	
Acetamiprid	ND	0.1	0.986	1.00	98.6	50 - 150	
Aldicarb	ND	0.1	0.967	1.00	96.7	50 - 150	
Azoxystrobin	ND	0.1	1.01	1.00	101	50 - 150	
Bifenazate	ND	0.1	ND	1.00	1.00	50 - 150	LR
Bifenthrin	ND	0.1	0.825	1.00	82.5	50 - 150	
Boscalid	ND	0.1	0.897	1.00	89.7	50 - 150	
Carbaryl	ND	0.1	0.938	1.00	93.8	50 - 150	
Carbofuran	ND	0.1	0.973	1.00	97.3	50 - 150	
Chlorantraniliprole	ND	0.1	0.940	1.00	94.0	50 - 150	
Chlorfenapyr	ND	0.1	0.973	1.00	97.3	50 - 150	
Chlorpyrifos	ND	0.1	0.953	1.00	95.3	50 - 150	
Clofentezine	ND	0.1	0.833	1.00	83.3	50 - 150	
Cyfluthrin	ND	0.5	0.996	1.00	99.6	50 - 150	
Cypermethrin	ND	0.1	0.900	1.00	90.0	50 - 150	
Daminozide	ND	0.5	ND	1.00	0.00	10 - 150	ND
Diazinon	ND	0.1	1.03	1.00	103	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.851	1.00	85.1	50 - 150	
Dimethoate	ND	0.1	0.928	1.00	92.8	50 - 150	
Ethoprophos	ND	0.1	1.01	1.00	101	50 - 150	
Etofenprox	ND	0.1	0.815	1.00	81.5	50 - 150	
Etoxazole	ND	0.1	0.897	1.00	89.7	50 - 150	
Fenoxycarb	ND	0.1	0.983	1.00	98.3	50 - 150	
Fenpyroximate	ND	0.1	0.859	1.00	85.9	50 - 150	
Fipronil	ND	0.1	0.996	1.00	99.6	50 - 150	
Flonicamid	ND	0.1	0.940	1.00	94.0	50 - 150	
Fludioxonil	ND	0.1	0.951	1.00	95.1	50 - 150	
Hexythiazox	ND	0.1	0.919	1.00	91.9	50 - 150	
Imazalil	ND	0.1	0.997	1.00	99.7	50 - 150	
Imidacloprid	ND	0.1	0.958	1.00	95.8	50 - 150	
Kresoxim-methyl	ND	0.1	1.02	1.00	102	50 - 150	
Malathion	ND	0.1	1.04	1.00	104	50 - 150	

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.00	1.00	100	50 - 150	
Methiocarb	ND	0.1	0.979	1.00	97.9	50 - 150	
Methomyl	ND	0.1	0.931	1.00	93.1	50 - 150	
Methyl Parathion	ND	0.2	0.752	1.00	75.2	30 - 150	
MGK-264	ND	0.2	0.674	0.600	112	50 - 150	
Myclobutanil	ND	0.1	1.04	1.00	104	50 - 150	
Naled	ND	0.2	0.894	1.00	89.4	50 - 150	
Oxamyl	ND	0.1	0.928	1.00	92.8	50 - 150	
Paclobutrazol	ND	0.1	0.937	1.00	93.7	50 - 150	
Permethrins	ND	0.1	0.850	1.00	85.0	50 - 150	
Phosmet	ND	0.1	0.995	1.00	99.5	50 - 150	
Piperonyl Butoxide	ND	0.1	0.925	1.00	92.5	50 - 150	
Prallethrin	ND	0.1	0.990	1.00	99.0	50 - 150	
Propiconazole	ND	0.1	0.986	1.00	98.6	50 - 150	
Propoxur	ND	0.1	1.02	1.00	102	50 - 150	
Pyrethrins	ND	0.5	0.958	1.00	95.8	50 - 150	
Pyridaben	ND	0.1	0.858	1.00	85.8	50 - 150	
Spinosad	ND	0.1	0.770	1.00	77.0	50 - 150	
Spiromesifen	ND	0.1	0.940	1.00	94.0	50 - 150	
Spirotetramat	ND	0.1	1.04	1.00	104	50 - 150	
Spiroxamine	ND	0.1	0.327	1.00	32.7	50 - 150	LR
Tebuconazole	ND	0.1	1.09	1.00	109	50 - 150	
Thiacloprid	ND	0.1	1.02	1.00	102	50 - 150	
Thiamethoxam	ND	0.1	1.04	1.00	104	50 - 150	
Trifloxystrobin	ND	0.1	0.985	1.00	98.5	50 - 150	

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## 361 - Master Blue RCO 12.31.19

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020



1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883

Metrc Batch ID:

Solvents Analysis Date: 1/9/2020 Solvents Batch ID: RES\_010820A Method: EPA 5021A

Unit: µg/g (ppm)

LS-200109-6

Report ID:

Harvest/Process Date: 12/31/2019

Pass ⊘

Analyte	FPP-XRD-HBG	BTP-HZZ-TMC	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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# 361 - Master Blue RCO 12.31.19

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

Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020

Metrc Batch ID: 1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883 Harvest/Process Date: 12/31/2019 Report ID:

LS-200109-6

Residual SolventsQuality Control Data		Solvents QC Analysis Date: 1/9/2020 Solvents QC Batch ID: RES_010820A					
Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)		
1,4-Dioxane	ND	50.0	953	1000	95.3		
2-Butanol	ND	250.0	939	1000	93.9		
2-Ethoxyethanol	ND	50.0	889	1000	88.9		
Acetone	ND	250.0	879	1000	87.9		
Acetonitrile	ND	50.0	932	1000	93.2		
Benzene	ND	2.0	17.4	20.0	87.2		
Butanes	ND	250.0	1510	2000	75.7		

Method: EPA 5021A Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	953	1000	95.3	70 - 130	
2-Butanol	ND	250.0	939	1000	93.9	70 - 130	
2-Ethoxyethanol	ND	50.0	889	1000	88.9	70 - 130	
Acetone	ND	250.0	879	1000	87.9	70 - 130	
Acetonitrile	ND	50.0	932	1000	93.2	70 - 130	
Benzene	ND	2.0	17.4	20.0	87.2	70 - 130	
Butanes	ND	250.0	1510	2000	75.7	70 - 130	
Cumene	ND	50.0	965	1000	96.5	70 - 130	
Cyclohexane	ND	50.0	857	1000	85.7	70 - 130	
Ethyl Acetate	ND	250.0	914	1000	91.4	70 - 130	
Ethyl Ether	ND	250.0	833	1000	83.3	70 - 130	
Ethylene Glycol	ND	250.0	902	1000	90.2	70 - 130	
Ethylene Oxide	ND	50.0	857	1000	85.7	70 - 130	
Heptane	ND	250.0	844	1000	84.4	70 - 130	
Hexanes	ND	50.0	4160	5000	83.2	70 - 130	
Isopropanol (2-Propanol)	ND	50.0	934	1000	93.4	70 - 130	
Isopropyl Acetate	ND	250.0	918	1000	91.8	70 - 130	
Methanol	ND	250.0	861	1000	86.1	70 - 130	
Dichloromethane	ND	50.0	883	1000	88.3	70 - 130	
Pentanes	ND	250.0	2370	3000	79.1	70 - 130	
Propane	ND	250.0	654	1000	65.4	70 - 130	
Tetrahydrofuran	ND	50.0	905	1000	90.5	70 - 130	
Toluene	ND	50.0	923	1000	92.3	70 - 130	
Xylenes	ND	50.0	3860	4000	96.5	70 - 130	



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## 361 - Master Blue RCO 12.31.19

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 1/6/2020 Analysis Date: 1/7/2020 Report Date: 1/9/2020 Metrc Batch ID: 1A4010300016315000020636 Metrc Sample ID: 1A4010300016315000020883 Harvest/Process Date: 12/31/2019 Report ID:

LS-200109-6

### **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