

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

## 412 - Anthos Mix FECO<sub>2</sub> 4.2.20

Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/3/2020 Analysis Date: 4/6/2020 Report Date: 4/10/2020 Metrc Batch ID: 1A4010300016315000023899 Metrc Sample ID: 1A4010300016315000023905 Harvest/Process Date: 4/2/2020 Report ID: LS-200409-17 Sample Plan ID:SP-200403-3-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

#### Potency

Potency Analysis Date: 4/7/2020 Potency Batch ID: CAN\_040720A Potency Method: JAOAC 2015.1

70.2%	Total THC
0.258%	Total CBD

Total CBD

Samples: JNM-DMG-DHG, XNS-HXW-ZBT

Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	
<b>Д9ТНС</b>	Delta-9 Tetrahydrocannabinol	0.16	8.56	66.9	72.9	69.9	
ТНСА	Tetrahydrocannabinolic acid	0.16	22.7	0.320	0.402	0.361	•
CBD	Cannabidiol	0.16	46.8	<l0q< td=""><td>0.258</td><td>0.258</td><td>•</td></l0q<>	0.258	0.258	•
BDA	Cannabidiolic acid	0.16	0.00	ND	ND	ND	
8THC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
тнсу	Tetrahydrocannabivarin*	0.16	9.53	0.593	0.652	0.622	•
CBG	Cannabigerol*	0.16	2.95	1.60	1.65	1.63	•
CBGA	Cannabigerolic acid*	0.16	16.3	0.600	0.707	0.653	•
BC	Cannabichromene*	0.16	18.0	1.01	1.21	1.11	•
BCA	Cannabichromenic acid*	0.16	58.8	ND	0.293	0.147	•
BN	Cannabinol	0.16	44.4	0.465	0.730	0.597	•
Total THC	Δ9THC + (THCA × 0.877)		8.62	67.2	73.3	70.2	
Total CBD	CBD + (CBDA × 0.877)		46.8	<l0q< td=""><td>0.258</td><td>0.258</td><td>•</td></l0q<>	0.258	0.258	•
Total			9.02	71.5	78.8	75.3	

### Compliance

Pesticides	Within limits	Analysis Date: 4/7/2020	Pass ⊘
Solvents	Within limits	Analysis Date: 4/6/2020	Pass ⊘
Potency	Within limits	Analysis Date: 4/7/2020	Pass ⊘

Bryce Kidd, Ph.D. Lab Director

Aaron Troyer

Chief Science Officer



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# 412 - Anthos Mix FECO<sub>2</sub> 4.2.20

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



#### Terpenes\* Sample Data

Sample Type: Extracts Sample Date: 4/3/2020 Analysis Date: 4/6/2020 Report Date: 4/10/2020 Metrc Batch ID: 1A4010300016315000023899 Metrc Sample ID: 1A4010300016315000023905

Terpene Batch ID: TRP 040620A

Terpene Analysis Date: 4/6/2020

Harvest/Process Date: 4/2/2020 Report ID: LS-200409-17 Sample Plan ID:SP-200403-3-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

Method: JAOAC 2015.1 Unit: %

Analyte	Avg.	Notes
β-Caryophyllene	1.18%	
Humulene	0.398%	
β-Farnesene 2	0.290%	
a-Bisabolol	0.186%	
a-Terpineol	0.0688%	
Selinadiene	0.0418%	
Guaiol	0.0418%	
Linalool	0.0393%	
Fenchol	0.0279%	
Caryophyllene Oxide	0.0262%	
Borneol	0.00478%	
Geraniol	0.00450%	
Limonene	0.00268%	
a-Pinene	0.00157%	
Terpinolene	0.00121%	
Cymene	0.00114%	
Camphene	0.000991%	
a-Terpinene	0.000856%	
β-Pinene	0.000728%	
γ-Terpinene	0.000726%	
Sabinene	0.000659%	
∆3-Carene	0.000511%	
α-Phellandrene	0.000425%	
β-Myrcene	0.000247%	
Azulene	ND	
Camphore	ND	
Cedrol	ND	
Eucalyptol	ND	
Fenchone	ND	
renonulle	ND	

Analyte	Avg.	Notes
Geranyl Acetate	ND	
Isoborneol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	
Sabinene Hydrate	ND	
Valencene	ND	
cis-Nerolidol	ND	
trans-Nerolidol	ND	
a-Cedrene	ND	
a-Ocimene	ND	
β-Farnesene 1	ND	
β-Ocimene	ND	
γ-Terpineol	ND	
Total	2.32%	



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# 412 - Anthos Mix FECO<sub>2</sub> 4.2.20

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**Pesticides** 

Sample Data

Sample Date: 4/3/2020 Analysis Date: 4/6/2020 Report Date: 4/10/2020

Sample Type: Extracts

Metrc Batch ID: 1A4010300016315000023899 Metrc Sample ID: 1A4010300016315000023905 Harvest/Process Date: 4/2/2020 Report ID: LS-200409-17 Sample Plan ID:SP-200403-3-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

Pesticides Analysis Date: 4/7/2020 Pesticides Batch ID: PST\_040720B **Method**: EN 15662 **Unit:** μg/g (ppm) Pass 🥪

Analyte	XNS-HXW-ZBT	JNM-DMG-DHG	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	XNS-HXW-ZBT	JNM-DMG-DHG	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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Sample Type: Extracts Sample Date: 4/3/2020 Analysis Date: 4/6/2020 Report Date: 4/10/2020 Metrc Batch ID: 1A4010300016315000023899 Metrc Sample ID: 1A4010300016315000023905

Pesticides QC Analysis Date: 4/7/2020

Pesticides QC Batch ID: PST 040720B

Harvest/Process Date: 4/2/2020 Report ID: LS-200409-17 Sample Plan ID:SP-200403-3-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

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	0.953	1.00	95.3	50 - 150	
Acephate	ND	0.1	0.922	1.00	92.2	50 - 150	
Acequinocyl	ND	1.5	1.08	1.00	108	50 - 150	
Acetamiprid	ND	0.1	0.907	1.00	90.7	50 - 150	
Aldicarb	ND	0.1	0.956	1.00	95.6	50 - 150	
Azoxystrobin	ND	0.1	0.955	1.00	95.5	50 - 150	
Bifenazate	ND	0.1	2.01	1.00	201	50 - 150	HB
Bifenthrin	ND	0.1	0.893	1.00	89.3	50 - 150	
Boscalid	ND	0.1	0.950	1.00	95.0	50 - 150	
Carbaryl	ND	0.1	0.949	1.00	94.9	50 - 150	
Carbofuran	ND	0.1	0.993	1.00	99.3	50 - 150	
Chlorantraniliprole	ND	0.1	0.975	1.00	97.5	50 - 150	
Chlorfenapyr	ND	0.1	0.920	1.00	92.0	50 - 150	
Chlorpyrifos	ND	0.1	0.941	1.00	94.1	50 - 150	
Clofentezine	ND	0.1	0.816	1.00	81.6	50 - 150	
Cyfluthrin	ND	0.5	0.861	1.00	86.1	50 - 150	
Cypermethrin	ND	0.1	0.960	1.00	96.0	50 - 150	
Daminozide	ND	0.5	0.228	1.00	22.8	10 - 150	
Diazinon	ND	0.1	0.923	1.00	92.3	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.821	1.00	82.1	50 - 150	
Dimethoate	ND	0.1	0.905	1.00	90.5	50 - 150	
Ethoprophos	ND	0.1	0.913	1.00	91.3	50 - 150	
Etofenprox	ND	0.1	0.954	1.00	95.4	50 - 150	
Etoxazole	ND	0.1	2.43	1.00	243	50 - 150	HB
Fenoxycarb	ND	0.1	0.990	1.00	99.0	50 - 150	
Fenpyroximate	ND	0.1	0.924	1.00	92.4	50 - 150	
Fipronil	ND	0.1	0.929	1.00	92.9	50 - 150	
Flonicamid	ND	0.1	0.937	1.00	93.7	50 - 150	
Fludioxonil	ND	0.1	0.882	1.00	88.2	50 - 150	
Hexythiazox	ND	0.1	1.05	1.00	105	50 - 150	
Imazalil	ND	0.1	0.950	1.00	95.0	50 - 150	
Imidacloprid	ND	0.1	0.867	1.00	86.7	50 - 150	
Kresoxim-methyl	ND	0.1	0.931	1.00	93.1	50 - 150	
Malathion	ND	0.1	0.955	1.00	95.5	50 - 150	

Analyte	Blank	100	LCS	LCS Spike	LCS Rec (%)	Limite (%)	Notes
Metalaxyl	ND	0.1	0.896	1.00	89.6	50 - 150	Notes
Methiocarb	ND	0.1	0.955		95.5	50 - 150	
Methomyl	ND	0.1	0.948		94.8	50 - 150	
Methyl Parathion	ND	0.2	0.502		50.2	30 - 150	
MGK-264	ND	0.2	0.477		79.4	50 - 150	
Myclobutanil	ND	0.1	0.945		94.5	50 - 150	
Naled	ND		0.805		80.5	50 - 150	
Oxamyl	ND	0.1	0.943		94.3	50 - 150	
Paclobutrazol	ND	0.1	0.977		97.7	50 - 150	
Permethrins	ND	0.1	0.926	1.00	92.6	50 - 150	
Phosmet	ND	0.1	0.925		92.5	50 - 150	
Piperonyl Butoxide	ND	0.1	0.923	1.00	93.4	50 - 150 50 - 150	
Prallethrin	ND	0.1	0.950		95.0	50 - 150 50 - 150	
Propiconazole	ND	0.1	0.930		95.0 98.5	50 - 150 50 - 150	
	ND	0.1	0.985		98.5 91.2	50 - 150 50 - 150	
Propoxur							ME
Pyrethrins	ND		0.448		44.8	50 - 150	ME
Pyridaben	ND	0.1	0.955		95.5	50 - 150	
Spinosad	ND	0.1	1.13	1.00	113	50 - 150	
Spiromesifen	ND	0.1	0.863	1.00	86.3	50 - 150	
Spirotetramat	ND	0.1	0.966	1.00	96.6	50 - 150	
Spiroxamine	ND	0.1	0.979		97.9	50 - 150	
Tebuconazole	ND	0.1	1.01	1.00	101	50 - 150	
Thiacloprid	ND	0.1	0.897	1.00	89.7	50 - 150	
Thiamethoxam	ND	0.1	0.968	1.00	96.8	50 - 150	
Trifloxystrobin	ND	0.1	0.948	1.00	94.8	50 - 150	

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Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/3/2020 Analysis Date: 4/6/2020 Report Date: 4/10/2020



Metrc Batch ID: 1A4010300016315000023899 Metrc Sample ID: 1A4010300016315000023905 Harvest/Process Date: 4/2/2020 Report ID: LS-200409-17 Sample Plan ID:SP-200403-3-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

Pass ⊘

Solvents Analysis Date: 4/6/2020 Solvents Batch ID: RES\_040620A Method: EPA 5021A Unit: µg/g (ppm)

Analyte	XNS-HXW-ZBT	JNM-DMG-DHG	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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<ul> <li>Residual Solvents</li> <li>Quality Control Data</li> </ul>				Solvents QC Analysis D Solvents QC Batch ID: F		<b>Method</b> : EPA 5021A <b>Unit:</b> μg/g (ppm)	
Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	847	1000	84.7	70 - 130	
2-Butanol	ND	250.0	909	1000	90.9	70 - 130	
2-Ethoxyethanol	ND	50.0	822	1000	82.2	70 - 130	
Acetone	ND	250.0	798	1000	79.8	70 - 130	
Acetonitrile	ND	50.0	877	1000	87.7	70 - 130	
Benzene	ND	2.0	23.0	20.0	115	70 - 130	
Butanes	ND	250.0	1870	2000	93.7	70 - 130	
Cumene	ND	50.0	853	1000	85.3	70 - 130	
Cyclohexane	ND	50.0	829	1000	82.9	70 - 130	
Ethyl Acetate	ND	250.0	874	1000	87.4	70 - 130	
Ethyl Ether	ND	250.0	814	1000	81.4	70 - 130	
Ethylene Glycol	ND	250.0	875	1000	87.5	70 - 130	
Ethylene Oxide	ND	50.0	878	1000	87.8	70 - 130	
Heptane	ND	250.0	877	1000	87.7	70 - 130	
Hexanes	ND	50.0	4360	5000	87.3	70 - 130	
Isopropanol (2-Propanol)	ND	50.0	906	1000	90.6	70 - 130	
Isopropyl Acetate	ND	250.0	913	1000	91.3	70 - 130	
Methanol	ND	250.0	713	1000	71.3	70 - 130	
Dichloromethane	ND	50.0	857	1000	85.7	70 - 130	
Pentanes	ND	250.0	2680	3000	89.3	70 - 130	
Propane	ND	250.0	931	1000	93.1	70 - 130	
Tetrahydrofuran	ND	50.0	909	1000	90.9	70 - 130	
Toluene	ND	50.0	842	1000	84.2	70 - 130	
Xylenes	ND	50.0	3510	4000	87.7	70 - 130	



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### **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 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