

Certificate of Analysis

Sample ID: EFF1021

Report ID: TR- EFF1021

Testing for Compliance

Report Date: 02/03/2019

Report Expiry: 02/03/2020

Test RFID: 1A401030000F105000001021

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 02/01/2019**Sampled by:** Yujing Wen**Sample Name:** Agent Orange (buds)**Sample Type:** Usable marijuana**Harvest Time:** 10/08/2018**Sample Weight:** 10.59 g**Description of the sample, sampling condition.
Environmental conditions that may impact
interpretation of the test result:**Dry usable marijuana. Sample appeared normal.
There were no any environmental conditions that
may impact interpretation of the test result.**Summary of Test Results**

Items	Value	Pass/Fail
Total THC:	23.8%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.460 at 20.6 °C	Pass
Moisture Content:	10.2%	N/A
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65.

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Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 02/02/2019

Batch ID: MC020219

Analyte	Result
Water	10.2%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 02/02/2019

Batch ID: WA020219

Analyte	Result	Temperature
Water Activity	0.460	20.6 °C

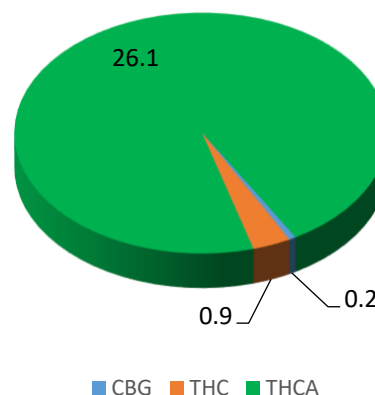
Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 02/01/2019

Batch ID: PO020119

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	0.2	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	0.9	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	26.1	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	23.8	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	27.2	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 02/02/2019

Batch ID: PE020219

Analyte	Result	LOQ	State Action Level
Abamectin	< LOQ	0.25	0.5
Acephate	< LOQ	0.20	0.4
Acequinocyl	< LOQ	1.00	2.0
Acetamiprid	< LOQ	0.10	0.2
Aldicarb	< LOQ	0.20	0.4
Azoxystrobin	< LOQ	0.10	0.2
Bifenazate	< LOQ	0.10	0.2
Bifenthrin	< LOQ	0.10	0.2
Boscalid	< LOQ	0.20	0.4
Carbaryl	< LOQ	0.10	0.2
Carbofuran	< LOQ	0.10	0.2
Chloranthraniliprole	< LOQ	0.10	0.2
Chlorfenapyr	< LOQ	1.00	1.0
Chlorpyrifos	< LOQ	0.10	0.2
Clofentezine	< LOQ	0.10	0.2
Cyfluthrin	< LOQ	0.50	1.0
Cypermethrin	< LOQ	0.50	1.0
Daminozide	< LOQ	0.50	1.0
DDVP (Dichlorvos)	< LOQ	0.50	1.0
Diazinon	< LOQ	0.10	0.2
Dimethoate	< LOQ	0.10	0.2
Ethoprophos	< LOQ	0.10	0.2
Etofenprox	< LOQ	0.20	0.4
Etoxazole	< LOQ	0.10	0.2
Fenoxycarb	< LOQ	0.10	0.2
Fenpyroximate	< LOQ	0.20	0.4
Fipronil	< LOQ	0.20	0.4
Flonicamid	< LOQ	0.50	1.0
Fludioxonil	< LOQ	0.20	0.4

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Hexythiazox	< LOQ	0.50	1.0
Imazalil	< LOQ	0.10	0.2
Imidacloprid	< LOQ	0.20	0.4
Kresoxim-Methyl	< LOQ	0.20	0.4
Malathion	< LOQ	0.10	0.2
Metalaxyl	< LOQ	0.10	0.2
Methiocarb	< LOQ	0.10	0.2
Methomyl	< LOQ	0.20	0.4
Methyl Parathion	< LOQ	0.20	0.2
MGK-264	< LOQ	0.10	0.2
Myclobutanil	< LOQ	0.10	0.2
NALED (Dibrom)	< LOQ	0.25	0.5
Oxamyl	< LOQ	0.50	1.0
Paclobutrazol	< LOQ	0.20	0.4
Permethrins	< LOQ	0.10	0.2
Phosmet	< LOQ	0.10	0.2
Piperonyl_Butoxide	< LOQ	1.00	2.0
Prallethrin	< LOQ	0.10	0.2
Propiconazole	< LOQ	0.20	0.4
Propoxur	< LOQ	0.10	0.2
Pyrethrin	< LOQ	0.50	1.0
Pyridaben	< LOQ	0.10	0.2
Spinosad	< LOQ	0.10	0.2
Spiromesifen	< LOQ	0.10	0.2
Spirotetramat	< LOQ	0.10	0.2
Spiroxamine	< LOQ	0.20	0.4
Tebuconazole	< LOQ	0.20	0.4
Thiacloprid	< LOQ	0.10	0.2
Thiamethoxam	< LOQ	0.10	0.2
Trifloxystrobin	< LOQ	0.10	0.2

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Test RFID: 1A401030000F1050000001021

Quality Control Results

Potency Analysis

Test Method: SOP-002 by LC/MS/MS

Blank: MBLK-PO020119		Date analyzed: 02/01/2019
Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	< LOQ	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	< LOQ	0.1

LCS: LCS-PO020119		Date analyzed: 02/01/2019
Analyte	% Recovery	% Recovery Criteria
THCV	77	70-130
CBD	98	70-130
CBG	93	70-130
CBDA	116	70-130
CBN	92	70-130
Delta-9 THC	97	70-130
Delta-8 THC	95	70-130
CBC	117	70-130
THCA	92	70-130

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Quality Control Results**Pesticides Analysis (Unit: ppm)**

Testing method: SOP-010 by LC/MS/MS

Blank: MBLK-PE020219		Date analyzed: 02/02/2019	
Analyte	Result	LOQ	State Action Level
Abamectin	< LOQ	0.25	0.5
Acephate	< LOQ	0.20	0.4
Acequinocyl	< LOQ	1.00	2.0
Acetamiprid	< LOQ	0.10	0.2
Aldicarb	< LOQ	0.20	0.4
Azoxystrobin	< LOQ	0.10	0.2
Bifenazate	< LOQ	0.10	0.2
Bifenthrin	< LOQ	0.10	0.2
Boscalid	< LOQ	0.20	0.4
Carbaryl	< LOQ	0.10	0.2
Carbofuran	< LOQ	0.10	0.2
Chloranthraniliprole	< LOQ	0.10	0.2
Chlorfenapyr	< LOQ	1.00	1.0
Chlorpyrifos	< LOQ	0.10	0.2
Clofentezine	< LOQ	0.10	0.2
Cyfluthrin	< LOQ	0.50	1.0
Cypermethrin	< LOQ	0.50	1.0
Daminozide	< LOQ	0.50	1.0
DDVP (Dichlorvos)	< LOQ	0.50	1.0
Diazinon	< LOQ	0.10	0.2
Dimethoate	< LOQ	0.10	0.2
Ethoprophos	< LOQ	0.10	0.2
Etofenprox	< LOQ	0.20	0.4
Etoxazole	< LOQ	0.10	0.2
Fenoxycarb	< LOQ	0.10	0.2
Fenpyroximate	< LOQ	0.20	0.4

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Fipronil	< LOQ	0.20	0.4
Flonicamid	< LOQ	0.50	1.0
Fludioxonil	< LOQ	0.20	0.4
Hexythiazox	< LOQ	0.50	1.0
Imazalil	< LOQ	0.10	0.2
Imidacloprid	< LOQ	0.20	0.4
Kresoxim-Methyl	< LOQ	0.20	0.4
Malathion	< LOQ	0.10	0.2
Metalaxyl	< LOQ	0.10	0.2
Methiocarb	< LOQ	0.10	0.2
Methomyl	< LOQ	0.20	0.4
Methyl_Parathion	< LOQ	0.20	0.2
MGK-264	< LOQ	0.10	0.2
Myclobutanil	< LOQ	0.10	0.2
NALED (Dibrom)	< LOQ	0.25	0.5
Oxamyl	< LOQ	0.50	1.0
Paclobutrazol	< LOQ	0.20	0.4
Permethrins	< LOQ	0.10	0.2
Phosmet	< LOQ	0.10	0.2
Piperonyl_Butoxide	< LOQ	1.00	2.0
Prallethrin	< LOQ	0.10	0.2
Propiconazole	< LOQ	0.20	0.4
Propoxur	< LOQ	0.10	0.2
Pyrethrin	< LOQ	0.50	1.0
Pyridaben	< LOQ	0.10	0.2
Spinosad	< LOQ	0.10	0.2
Spiromesifen	< LOQ	0.10	0.2
Spirotetramat	< LOQ	0.10	0.2
Spiroxamine	< LOQ	0.20	0.4
Tebuconazole	< LOQ	0.20	0.4
Thiacloprid	< LOQ	0.10	0.2
Thiamethoxam	< LOQ	0.10	0.2
Trifloxystrobin	< LOQ	0.10	0.2

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LCS: LCS-PE020219		Date analyzed: 02/02/2019		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	48	10-190	0.25	0.5
Acephate	102	30-170	0.20	0.4
Acequinocyl	65	10-190	1.00	2.0
Acetamiprid	126	30-170	0.10	0.2
Aldicarb	40	30-170	0.20	0.4
Azoxystrobin	64	30-170	0.10	0.2
Bifenazate	55	10-190	0.10	0.2
Bifenthrin	71	30-170	0.10	0.2
Boscalid	141	30-170	0.20	0.4
Carbaryl	95	30-170	0.10	0.2
Carbofuran	127	30-170	0.10	0.2
Chloranthraniliprole	69	30-170	0.10	0.2
Chlorfenapyr	59	10-190	1.00	1.0
Chlorpyrifos	109	30-170	0.10	0.2
Clofentezine	136	30-170	0.10	0.2
Cyfluthrin	126	30-170	0.50	1.0
Cypermethrin	84	30-170	0.50	1.0
Daminozide	91	30-170	0.50	1.0
DDVP (Dichlorvos)	44	30-170	0.50	1.0
Diazinon	76	30-170	0.10	0.2
Dimethoate	92	30-170	0.10	0.2
Ethoprophos	80	30-170	0.10	0.2
Etofenprox	44	30-170	0.20	0.4
Etoxazole	82	30-170	0.10	0.2
Fenoxycarb	84	30-170	0.10	0.2
Fenpyroximate	84	30-170	0.20	0.4
Fipronil	100	10-190	0.20	0.4
Flonicamid	110	10-190	0.50	1.0
Fludioxonil	68	10-190	0.20	0.4
Hexythiazox	105	10-190	0.50	1.0
Imazalil	111	30-170	0.10	0.2
Imidacloprid	119	30-170	0.20	0.4

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Kresoxim-Methyl	51	30-170	0.20	0.4
Malathion	61	30-170	0.10	0.2
Metalaxyl	77	30-170	0.10	0.2
Methiocarb	93	30-170	0.10	0.2
Methomyl	40	30-170	0.20	0.4
Methyl_Parathion	126	10-190	0.20	0.2
MGK-264	89	10-190	0.10	0.2
Myclobutanil	99	30-170	0.10	0.2
NALED (Dibrom)	134	30-170	0.25	0.5
Oxamyl	41	10-190	0.50	1.0
Paclobutrazol	133	30-170	0.20	0.4
Permethrins	37	30-170	0.10	0.2
Phosmet	94	30-170	0.10	0.2
Piperonyl_Butoxide	47	30-170	1.00	2.0
Prallethrin	77	30-170	0.10	0.2
Propiconazole	92	30-170	0.20	0.4
Propoxur	80	30-170	0.10	0.2
Pyrethrin	86	30-170	0.50	1.0
Pyridaben	87	30-170	0.10	0.2
Spinosad	90	10-190	0.10	0.2
Spiromesifen	53	30-170	0.10	0.2
Spirotetramat	84	30-170	0.10	0.2
Spiroxamine	108	30-170	0.20	0.4
Tebuconazole	139	30-170	0.20	0.4
Thiacloprid	133	30-170	0.10	0.2
Thiamethoxam	115	30-170	0.10	0.2
Trifloxystrobin	47	30-170	0.10	0.2

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Attachments:

Note: if answer is Yes for following items, statement is attached. Otherwise, no attachment.

<u>Deviation occurred in test?</u> Answer: No	<u>Opinion and interpretation provided?</u> Answer: No
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Comments: "N/A" if there is no comment made
N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

03Feb2019

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