

Certificate of Analysis

Sample ID: EF0116

Report ID: TR-EF0116

Testing for Compliance

Report Date: 05/27/2018

Report Expiry: 05/27/2019

Test RFID: 1A401030000F105000000116

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 05/24/2018**Sampled by:** Yujing Wen**Sample Name:** J-1 (buds)**Sample Type:** Usable marijuana**Sample Weight:** 32.01 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:	29.0%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.508 at 20.9 °C	Pass
Moisture Content:	10.4%	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: 05/26/2018

Batch ID: MC052618

Analyte	Result
Water	10.4%

Water Activity Analysis

Testing method: SOP-009

Analyzed by: Yujing Wen

Analyzed date: 05/26/2018

Batch ID: WA052618

Analyte	Result	Temperature
Water Activity	0.508	20.9 °C

Potency Analysis

Testing method: SOP-002

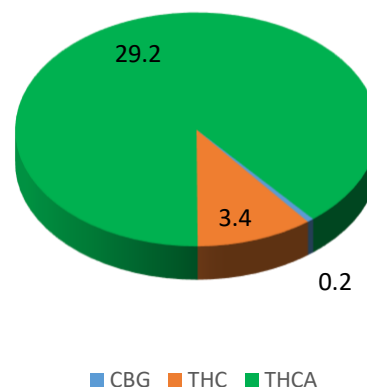
Analyzed by: Yujing Wen

Analyzed date: 05/26/2018

Batch ID: PO052618

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	3.4	0.1
CBC	< LOQ	0.1
THCA	29.2	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	29.0	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	32.9	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 05/27/2018

Batch ID: PE052718

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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Quality Control Results

Potency Analysis

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

Blank: MBLK-PO052618		Date analyzed: 05/26/2018
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
CBC	< LOQ	0.1
THCA	< LOQ	0.1

LCS: LCS-PO052618		Date analyzed: 05/26/2018
Analyte	% Recovery	% Recovery Criteria
THCV	108	70-130
CBD	109	70-130
CBG	109	70-130
CBDA	99	70-130
CBN	104	70-130
Delta-9 THC	99	70-130
CBC	111	70-130
THCA	113	70-130

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Quality Control Results

Pesticides Analysis (Unit: ppm)

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

Blank: MBLK-PE052718		Date analyzed: 05/27/2018	
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-PE052718		Date analyzed: 05/27/2018		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	39	10-190	0.25	0.5
Acephate	101	50-150	0.20	0.4
Acequinocyl	76	10-190	1.00	2.0
Acetamiprid	104	50-150	0.10	0.2
Aldicarb	105	50-150	0.20	0.4
Azoxystrobin	85	50-150	0.10	0.2
Bifenazate	95	10-190	0.10	0.2
Bifenthrin	101	50-150	0.10	0.2
Boscalid	114	50-150	0.20	0.4
Carbaryl	115	50-150	0.10	0.2
Carbofuran	109	50-150	0.10	0.2
Chloranthraniliprole	110	50-150	0.10	0.2
Chlorfenapyr	73	10-190	1.00	1.0
Chlorpyrifos	104	50-150	0.10	0.2
Clofentezine	119	50-150	0.10	0.2
Cyfluthrin	127	50-150	0.50	1.0
Cypermethrin	113	50-150	0.50	1.0
Daminozide	103	50-150	0.50	1.0
DDVP (Dichlorvos)	101	50-150	0.50	1.0
Diazinon	106	50-150	0.10	0.2
Dimethoate	106	50-150	0.10	0.2
Ethoprophos	120	50-150	0.10	0.2
Etofenprox	73	50-150	0.20	0.4
Etoxazole	113	50-150	0.10	0.2
Fenoxycarb	116	50-150	0.10	0.2
Fenpyroximate	118	50-150	0.20	0.4
Fipronil	110	50-150	0.20	0.4
Flonicamid	143	10-190	0.50	1.0
Fludioxonil	77	50-150	0.20	0.4
Hexythiazox	108	50-150	0.50	1.0
Imazalil	114	50-150	0.10	0.2
Imidacloprid	100	50-150	0.20	0.4

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Kresoxim-Methyl	69	50-150	0.20	0.4
Malathion	105	50-150	0.10	0.2
Metalaxyl	104	50-150	0.10	0.2
Methiocarb	122	50-150	0.10	0.2
Methomyl	113	50-150	0.20	0.4
Methyl_Parathion	114	10-190	0.20	0.2
MGK-264	110	50-150	0.10	0.2
Myclobutanil	98	50-150	0.10	0.2
NALED (Dibrom)	111	50-150	0.25	0.5
Oxamyl	180	10-190	0.50	1.0
Paclobutrazol	116	50-150	0.20	0.4
Permethrins	100	50-150	0.10	0.2
Phosmet	100	50-150	0.10	0.2
Piperonyl_Butoxide	81	50-150	1.00	2.0
Prallethrin	124	50-150	0.10	0.2
Propiconazole	117	50-150	0.20	0.4
Propoxur	110	50-150	0.10	0.2
Pyrethrin	109	50-150	0.50	1.0
Pyridaben	109	50-150	0.10	0.2
Spinosad	138	50-150	0.10	0.2
Spiromesifen	105	50-150	0.10	0.2
Spirotetramat	103	50-150	0.10	0.2
Spiroxamine	107	50-150	0.20	0.4
Tebuconazole	113	50-150	0.20	0.4
Thiacloprid	107	50-150	0.10	0.2
Thiamethoxam	104	50-150	0.10	0.2
Trifloxystrobin	79	50-150	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:

27May2018

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