

Certificate of Analysis

Sample ID: EF0257

Report ID: TR-EF0257

Testing for Compliance

Report Date: 07/19/2018

Report Expiry: 07/19/2019

Test RFID: 1A401030000F105000000257

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 07/17/2018**Sampled by:** Yujing Wen**Sample Name:** Jack's Dream Flower (buds)**Sample Type:** Usable marijuana**Sample Weight:** 36.93 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:	27.6%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.494 at 27.8 °C	Pass
Moisture Content:	10.0%	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: 07/18/2018

Batch ID: MC071818

Analyte	Result
Water	10.0%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 07/17/2018

Batch ID: WA071718

Analyte	Result	Temperature
Water Activity	0.494	27.8 °C

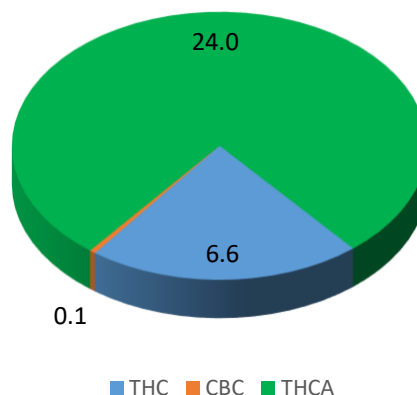
Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 07/17/2018

Batch ID: PO071718

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	6.6	0.1
CBC	0.1	0.1
THCA	24.0	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	27.6	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	30.9	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 07/18/2018

Batch ID: PE071818

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-PO071718		Date analyzed: 07/17/2018
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-PO071718		Date analyzed: 07/17/2018
Analyte	% Recovery	% Recovery Criteria
THCV	90	70-130
CBD	102	70-130
CBG	112	70-130
CBDA	83	70-130
CBN	91	70-130
Delta-9 THC	113	70-130
CBC	109	70-130
THCA	94	70-130

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Quality Control Results

Pesticides Analysis (Unit: ppm)

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

Blank: MBLK-PE071818		Date analyzed: 07/18/2018	
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-PE071818			Date analyzed: 07/18/2018	
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	92	10-190	0.25	0.5
Acephate	123	30-170	0.20	0.4
Acequinocyl	15	10-190	1.00	2.0
Acetamiprid	95	30-170	0.10	0.2
Aldicarb	122	30-170	0.20	0.4
Azoxystrobin	92	30-170	0.10	0.2
Bifenazate	110	10-190	0.10	0.2
Bifenthrin	90	30-170	0.10	0.2
Boscalid	121	30-170	0.20	0.4
Carbaryl	98	30-170	0.10	0.2
Carbofuran	107	30-170	0.10	0.2
Chloranthraniliprole	107	30-170	0.10	0.2
Chlorfenapyr	90	10-190	1.00	1.0
Chlorpyrifos	112	30-170	0.10	0.2
Clofentezine	126	30-170	0.10	0.2
Cyfluthrin	158	30-170	0.50	1.0
Cypermethrin	129	30-170	0.50	1.0
Daminozide	133	30-170	0.50	1.0
DDVP (Dichlorvos)	123	30-170	0.50	1.0
Diazinon	115	30-170	0.10	0.2
Dimethoate	146	30-170	0.10	0.2
Ethoprophos	122	30-170	0.10	0.2
Etofenprox	61	30-170	0.20	0.4
Etoxazole	91	30-170	0.10	0.2
Fenoxycarb	117	30-170	0.10	0.2
Fenpyroximate	116	30-170	0.20	0.4
Fipronil	126	10-190	0.20	0.4
Flonicamid	133	10-190	0.50	1.0
Fludioxonil	94	10-190	0.20	0.4
Hexythiazox	112	30-170	0.50	1.0
Imazalil	103	30-170	0.10	0.2
Imidacloprid	98	30-170	0.20	0.4

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Kresoxim-Methyl	77	30-170	0.20	0.4
Malathion	64	30-170	0.10	0.2
Metalaxyl	120	30-170	0.10	0.2
Methiocarb	115	30-170	0.10	0.2
Methomyl	104	30-170	0.20	0.4
Methyl_Parathion	153	10-190	0.20	0.2
MGK-264	101	10-190	0.10	0.2
Myclobutanil	120	30-170	0.10	0.2
NALED (Dibrom)	89	30-170	0.25	0.5
Oxamyl	143	10-190	0.50	1.0
Paclobutrazol	116	30-170	0.20	0.4
Permethrins	59	30-170	0.10	0.2
Phosmet	85	30-170	0.10	0.2
Piperonyl_Butoxide	93	30-170	1.00	2.0
Prallethrin	125	30-170	0.10	0.2
Propiconazole	121	30-170	0.20	0.4
Propoxur	112	30-170	0.10	0.2
Pyrethrin	133	30-170	0.50	1.0
Pyridaben	109	30-170	0.10	0.2
Spinosad	143	10-190	0.10	0.2
Spiromesifen	119	30-170	0.10	0.2
Spirotetramat	108	30-170	0.10	0.2
Spiroxamine	114	30-170	0.20	0.4
Tebuconazole	114	30-170	0.20	0.4
Thiacloprid	127	30-170	0.10	0.2
Thiamethoxam	111	30-170	0.10	0.2
Trifloxystrobin	98	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>	<u>Opinion and interpretation provided?</u>
Answer: No	Answer: No

Comments: "N/A" if there is no comment made

N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

19Jul2018

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