

Certificate of Analysis

Sample ID: EFF5213

Report ID: TR-EFF5213

Testing for Compliance

Report Date: 11/23/2020

Test RFID: 1A401030000F105000005213

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 11/19/2020**Sampled by:** Shuguo Ma**Sample Name:** Green Crack (Buds)**Sample Type:** Usable marijuana**Harvest Time:** 10/6/2020**Sample Weight:** 27.44 g**Description of the sample, sampling condition.
Environmental conditions that may impact
interpretation of the test result:**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:	23.7%	N/A
Total CBD:	3.4%	N/A
Water Activity:	0.499 at 24.1 °C	Pass
Moisture Content:	10.0%	Pass
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65 and 15% for moisture content.

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Moisture Content Analysis

Testing method: SOP-004

Analyzed by: Yujing Wen

Analyzed date: 11/20/2020

Batch ID: MC112020

Analyte	Result
Water	10.0%

Water Activity Analysis

Testing method: SOP-009

Analyzed by: Yujing Wen

Analyzed date: 11/20/2020

Batch ID: WA112020

Analyte	Result	Temperature
Water Activity	0.499	24.1 °C

Potency Analysis

Testing method: SOP-002

Analyzed by: Yujing Wen

Analyzed date: 11/19/2020

Batch ID: PO111920

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	3.9	0.1
CBN	< LOQ	0.1
Delta-9 THC	0.7	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	26.2	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	23.7	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	3.4	N/A
Total Cannabinoids:	30.8	N/A

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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 11/19/2020

Batch ID: PE111920

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
Hexythiazox	< LOQ	0.50	1.0

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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: 1A401030000F105000005213

Quality Control Results

Potency Analysis

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

Blank: MBLK-PO111920		Date analyzed: 11/19/2020
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- PO111920		Date analyzed: 11/19/2020
Analyte	% Recovery	% Recovery Criteria
THCV	100	70-130
CBD	114	70-130
CBG	88	70-130
CBDA	95	70-130
CBN	66	70-130
Delta-9 THC	101	70-130
Delta-8 THC	88	70-130
CBC	85	70-130
THCA	100	70-130

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE111920		Date analyzed: 11/19/2020	
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-PE111920			Date analyzed: 11/19/2020	
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	47	10-190	0.25	0.5
Acephate	75	30-170	0.20	0.4
Acequinocyl	108	10-190	1.00	2.0
Acetamiprid	72	30-170	0.10	0.2
Aldicarb	63	30-170	0.20	0.4
Azoxystrobin	84	30-170	0.10	0.2
Bifenazate	89	10-190	0.10	0.2
Bifenthrin	80	30-170	0.10	0.2
Boscalid	94	30-170	0.20	0.4
Carbaryl	79	30-170	0.10	0.2
Carbofuran	91	30-170	0.10	0.2
Chloranthraniliprole	77	30-170	0.10	0.2
Chlorfenapyr	83	10-190	1.00	1.0
Chlorpyrifos	97	30-170	0.10	0.2
Clofentezine	161	30-170	0.10	0.2
Cyfluthrin	111	30-170	0.50	1.0
Cypermethrin	121	30-170	0.50	1.0
Daminozide	50	30-170	0.50	1.0
DDVP (Dichlorvos)	76	30-170	0.50	1.0
Diazinon	80	30-170	0.10	0.2
Dimethoate	73	30-170	0.10	0.2
Ethoprophos	75	30-170	0.10	0.2
Etofenprox	56	30-170	0.20	0.4
Etoxazole	79	30-170	0.10	0.2
Fenoxycarb	94	30-170	0.10	0.2
Fenpyroximate	67	30-170	0.20	0.4
Fipronil	106	10-190	0.20	0.4
Flonicamid	138	10-190	0.50	1.0
Fludioxonil	81	10-190	0.20	0.4
Hexythiazox	116	30-170	0.50	1.0
Imazalil	79	30-170	0.10	0.2
Imidacloprid	79	30-170	0.20	0.4

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Kresoxim-Methyl	52	30-170	0.20	0.4
Malathion	65	30-170	0.10	0.2
Metalaxyl	101	30-170	0.10	0.2
Methiocarb	78	30-170	0.10	0.2
Methomyl	129	30-170	0.20	0.4
Methyl Parathion	74	10-190	0.20	0.2
MGK-264	120	10-190	0.10	0.2
Myclobutanil	101	30-170	0.10	0.2
NALED (Dibrom)	138	30-170	0.25	0.5
Oxamyl	133	10-190	0.50	1.0
Paclobutrazol	92	30-170	0.20	0.4
Permethrins	83	30-170	0.10	0.2
Phosmet	99	30-170	0.10	0.2
Piperonyl_Butoxide	52	30-170	1.00	2.0
Prallethrin	95	30-170	0.10	0.2
Propiconazole	114	30-170	0.20	0.4
Propoxur	84	30-170	0.10	0.2
Pyrethrin	72	30-170	0.50	1.0
Pyridaben	84	30-170	0.10	0.2
Spinosad	125	10-190	0.10	0.2
Spiromesifen	51	30-170	0.10	0.2
Spirotetramat	102	30-170	0.10	0.2
Spiroxamine	87	30-170	0.20	0.4
Tebuconazole	88	30-170	0.20	0.4
Thiacloprid	128	30-170	0.10	0.2
Thiamethoxam	90	30-170	0.10	0.2
Trifloxystrobin	56	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.

Deviation occurred in test?	Opinion and interpretation provided?
Answer:	Answer:
No	No

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

N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

23Nov2020

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