

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Report Date: 03/29/2020

Test RFID: 1A401030000F105000004070

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

<p>Date Sampled: 03/25/2020</p> <p>Sampled by: Yujing Wen</p> <p>Sample Name: Royal Truth (Buds)</p> <p>Sample Type: Usable marijuana</p> <p>Harvest Time: 10/9/2019</p> <p>Sample Weight: 6.92 g</p>	<p>Description of the sample, sampling condition. Environmental conditions that may impact interpretation of the test result:</p> <p>Dry usable marijuana. Sample appeared normal. There were no any environmental conditions that may impact interpretation of the test result.</p>
---	---

Summary of Test Results

Items	Value	Pass/Fail
Total THC:	22.8%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.465 at 18.1 °C	Pass
Moisture Content:	10.2%	Pass
Pesticides:	< LOQ	Pass

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

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable. These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Test RFID: 1A401030000F105000004070

Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 03/28/2020

Batch ID: MC032820

Analyte	Result
Water	10.2%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 03/26/2020

Batch ID: WA032620

Analyte	Result	Temperature
Water Activity	0.465	18.1 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 03/26/2020

Batch ID: PO032620

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBN	1.2	0.1
Delta-9 THC	0.8	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	25.1	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	22.8	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	27.1	N/A

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Source RFID: 1A401030000F105000004069

Test RFID: 1A401030000F105000004070

Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 03/27/2020

Batch ID: PE032720

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

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Source RFID: 1A401030000F105000004069

Test RFID: 1A401030000F105000004070

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

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Quality Control Results

Potency Analysis

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

Blank: MBLK-PO032620		Date analyzed: 03/26/2020
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- PO032620		Date analyzed: 03/26/2020
Analyte	% Recovery	% Recovery Criteria
THCV	115	70-130
CBD	105	70-130
CBG	100	70-130
CBDA	104	70-130
CBN	100	70-130
Delta-9 THC	101	70-130
Delta-8 THC	109	70-130
CBC	102	70-130
THCA	104	70-130

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Test RFID: 1A401030000F105000004070

Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE032720		Date analyzed: 03/27/2020	
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

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Source RFID: 1A401030000F105000004069

Test RFID: 1A401030000F105000004070

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

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
 Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Test RFID: 1A401030000F105000004070

LCS: LCS-PE032720		Date analyzed: 03/27/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	94	10-190	0.25	0.5
Acephate	108	30-170	0.20	0.4
Acequinocyl	123	10-190	1.00	2.0
Acetamiprid	140	30-170	0.10	0.2
Aldicarb	113	30-170	0.20	0.4
Azoxystrobin	79	30-170	0.10	0.2
Bifenazate	56	10-190	0.10	0.2
Bifenthrin	145	30-170	0.10	0.2
Boscalid	94	30-170	0.20	0.4
Carbaryl	103	30-170	0.10	0.2
Carbofuran	135	30-170	0.10	0.2
Chloranthraniliprole	130	30-170	0.10	0.2
Chlorfenapyr	38	10-190	1.00	1.0
Chlorpyrifos	86	30-170	0.10	0.2
Clofentezine	81	30-170	0.10	0.2
Cyfluthrin	53	30-170	0.50	1.0
Cypermethrin	56	30-170	0.50	1.0
Daminozide	109	30-170	0.50	1.0
DDVP (Dichlorvos)	40	30-170	0.50	1.0
Diazinon	113	30-170	0.10	0.2
Dimethoate	114	30-170	0.10	0.2
Ethoprophos	129	30-170	0.10	0.2
Etofenprox	95	30-170	0.20	0.4
Etoxazole	59	30-170	0.10	0.2
Fenoxycarb	63	30-170	0.10	0.2
Fenpyroximate	142	30-170	0.20	0.4
Fipronil	96	10-190	0.20	0.4
Fonicamid	53	10-190	0.50	1.0
Fludioxonil	73	10-190	0.20	0.4
Hexythiazox	71	30-170	0.50	1.0
Imazalil	118	30-170	0.10	0.2
Imidacloprid	132	30-170	0.20	0.4

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Testing for Compliance

Sample ID: EFF4070
 Report ID: TR-EFF4070

Report Date: 03/29/2020

Source RFID: 1A401030000F105000004069

Test RFID: 1A401030000F105000004070

Kresoxim-Methyl	47	30-170	0.20	0.4
Malathion	96	30-170	0.10	0.2
Metalaxyl	86	30-170	0.10	0.2
Methiocarb	121	30-170	0.10	0.2
Methomyl	104	30-170	0.20	0.4
Methyl_Parathion	107	10-190	0.20	0.2
MGK-264	102	10-190	0.10	0.2
Myclobutanil	147	30-170	0.10	0.2
NALED (Dibrom)	52	30-170	0.25	0.5
Oxamyl	130	10-190	0.50	1.0
Paclobutrazol	59	30-170	0.20	0.4
Permethrins	122	30-170	0.10	0.2
Phosmet	38	30-170	0.10	0.2
Piperonyl_Butoxide	76	30-170	1.00	2.0
Prallethrin	63	30-170	0.10	0.2
Propiconazole	66	30-170	0.20	0.4
Propoxur	90	30-170	0.10	0.2
Pyrethrin	61	30-170	0.50	1.0
Pyridaben	51	30-170	0.10	0.2
Spinosad	53	10-190	0.10	0.2
Spiromesifen	88	30-170	0.10	0.2
Spirotetramat	83	30-170	0.10	0.2
Spiroxamine	127	30-170	0.20	0.4
Tebuconazole	60	30-170	0.20	0.4
Thiacloprid	108	30-170	0.10	0.2
Thiamethoxam	113	30-170	0.10	0.2
Trifloxystrobin	104	30-170	0.10	0.2

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
 These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.

Certificate of Analysis

Sample ID: EFF4070
Report ID: TR-EFF4070

Testing for Compliance

Report Date: 03/29/2020

Test RFID: 1A401030000F105000004070

Attachments:

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

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

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

Shuguo Ma, Ph.D, Quality Manager

Signature: 

Date: 29Mar2020

LOQ: the limit of quantitation, which is the lowest amount of analyte in a sample that can be quantitatively determined by an analytical method with a suitable precision and accuracy. N/A: not applicable.
These results are specific to the sample included in this report. The report may not be reproduced except in full, with written approval from MW Labs.