

Certificate of Analysis

Sample ID: EFF2990
Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Client Name:
Epic Family Farms

License No:
020-10041847FC2

Date Sampled:	10/03/2019	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.
Sampled by:	Shuguo Ma	
Sample Name:	SFV OG (buds)	
Sample Type:	Usable marijuana	
Harvest Time:	8/22/2019	
Sample Weight:	13.92 g	

Summary of Test Results

Items	Value	Pass/Fail
Total THC:	23.6%	N/A
Total CBD:	<0.1%	N/A
Water Activity:	0.527 at 24.1 °C	Pass
Moisture Content:	11.5%	N/A
Total Terpenes:	2.48%	N/A
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65.

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 AnalysisSample ID: EFF2990
Report ID: TR-EFF2990**Testing for Compliance**

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 10/06/2019

Batch ID: MC100619

Analyte	Result
Water	11.5%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 10/06/2019

Batch ID: WA100619

Analyte	Result	Temperature
Water Activity	0.527	24.1°C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 10/03/2019

Batch ID: PO100319

Analyte	Result, %	LOQ, %
CBC	0.5	0.1
CBD	<LOQ	0.1
CBDA	<LOQ	0.1
CBG	<LOQ	0.1
CBN	<LOQ	0.1
DELTA8-THC	<LOQ	0.1
DELTA9-THC	2.0	0.1
THCA	24.6	0.1
THCV	<LOQ	0.1
Total THC: $\Delta 9+0.877 \times \text{THCA}$	23.6	N/A
Total CBD: $\text{CBD}+0.877 \times \text{CBDA}$	<LOQ	N/A
Total Cannabinoids:	27.2	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 AnalysisSample ID: EFF2990
Report ID: TR-EFF2990**Testing for Compliance**

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 10/05/2019

Batch ID: PE100519

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

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: EFF2990

Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

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: EFF2990
Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Terpene Analysis

Testing method: SOP-011

Analyzed by: Yujing Wen

Analyzed date: 10/05/2019

Batch ID: TP100519

Analyte	Result, %	LOQ, %
Monoterpenes		
Alpha-Pinene	0.02	0.01
Camphene	< LOQ	0.01
Beta-Myrcene	0.41	0.01
Beta-Pinene	0.03	0.01
3-Carene	< LOQ	0.01
alpha-Terpinene	< LOQ	0.01
D-Limonene	0.21	0.01
P-Cymene	< LOQ	0.01
Ocimene	0.18	0.01
gamma-Terpinene	< LOQ	0.01
Terpinolene	0.01	0.01
Linalool	0.15	0.01
Isopulegol	< LOQ	0.01
Geraniol	0.01	0.01
Sesquiterpenes		
Beta-Caryophyllene	0.74	0.01
alpha-Humulene	0.22	0.01
Nerolidol	0.32	0.01
Guaiol	< LOQ	0.01
alpha-Bisabolol	0.17	0.01
Total Terpenes	2.48	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.

Quality Control Results

Potency Analysis

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

Blank: MBLK-PO100419		Date analyzed: 10/04/2019
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- PO100419		Date analyzed: 10/04/2019
Analyte	% Recovery	% Recovery Criteria
THCV	109	70-130
CBD	112	70-130
CBG	109	70-130
CBDA	102	70-130
CBN	110	70-130
Delta-9 THC	112	70-130
Delta-8 THC	115	70-130
CBC	110	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: EFF2990

Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE100519		Date analyzed: 10/05/2019	
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

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: EFF2990

Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

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

Testing for Compliance

Sample ID: EFF2990

Report ID: TR-EFF2990

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

LCS: LCS-PE100519			Date analyzed: 10/05/2019	
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	95	10-190	0.25	0.5
Acephate	92	30-170	0.20	0.4
Acequinocyl	89	10-190	1.00	2.0
Acetamiprid	94	30-170	0.10	0.2
Aldicarb	93	30-170	0.20	0.4
Azoxystrobin	92	30-170	0.10	0.2
Bifenazate	92	10-190	0.10	0.2
Bifenthrin	86	30-170	0.10	0.2
Boscalid	89	30-170	0.20	0.4
Carbaryl	95	30-170	0.10	0.2
Carbofuran	93	30-170	0.10	0.2
Chloranthraniliprole	95	30-170	0.10	0.2
Chlorfenapyr	87	10-190	1.00	1.0
Chlorpyrifos	91	30-170	0.10	0.2
Clofentezine	91	30-170	0.10	0.2
Cyfluthrin	97	30-170	0.50	1.0
Cypermethrin	90	30-170	0.50	1.0
Daminozide	93	30-170	0.50	1.0
DDVP (Dichlorvos)	92	30-170	0.50	1.0
Diazinon	94	30-170	0.10	0.2
Dimethoate	93	30-170	0.10	0.2
Ethoprophos	93	30-170	0.10	0.2
Etofenprox	90	30-170	0.20	0.4
Etoxazole	90	30-170	0.10	0.2
Fenoxycarb	92	30-170	0.10	0.2
Fenpyroximate	93	30-170	0.20	0.4
Fipronil	111	10-190	0.20	0.4
Flonicamid	111	10-190	0.50	1.0
Fludioxonil	86	10-190	0.20	0.4
Hexythiazox	93	30-170	0.50	1.0
Imazalil	92	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

Testing for Compliance

Sample ID: EFF2990

Report ID: TR-EFF2990

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

Imidacloprid	94	30-170	0.20	0.4
Kresoxim-Methyl	90	30-170	0.20	0.4
Malathion	93	30-170	0.10	0.2
Metalaxyl	91	30-170	0.10	0.2
Methiocarb	93	30-170	0.10	0.2
Methomyl	97	30-170	0.20	0.4
Methyl_Parathion	90	10-190	0.20	0.2
MGK-264	88	10-190	0.10	0.2
Myclobutanil	92	30-170	0.10	0.2
NALED (Dibrom)	89	30-170	0.25	0.5
Oxamyl	104	10-190	0.50	1.0
Paclobutrazol	93	30-170	0.20	0.4
Permethrins	89	30-170	0.10	0.2
Phosmet	92	30-170	0.10	0.2
Piperonyl_Butoxide	93	30-170	1.00	2.0
Prallethrin	93	30-170	0.10	0.2
Propiconazole	91	30-170	0.20	0.4
Propoxur	93	30-170	0.10	0.2
Pyrethrin	97	30-170	0.50	1.0
Pyridaben	90	30-170	0.10	0.2
Spinosad	84	10-190	0.10	0.2
Spiromesifen	91	30-170	0.10	0.2
Spirotetramat	133	30-170	0.10	0.2
Spiroxamine	94	30-170	0.20	0.4
Tebuconazole	94	30-170	0.20	0.4
Thiacloprid	90	30-170	0.10	0.2
Thiamethoxam	91	30-170	0.10	0.2
Trifloxystrobin	93	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: EFF2990
Report ID: TR-EFF2990

Testing for Compliance

Report Date: 10/07/2019

Source RFID: 1A401030000F105000002989

Test RFID: 1A401030000F105000002990

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
--	---

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

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

07OCT2019

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.