

Certificate of Analysis

Sample ID: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 10/24/2019**Sampled by:** Shuguo Ma**Sample Name:** Lemon Kush buds**Sample Type:** Usable marijuana**Harvest Time:** 10/12/2019**Sample Weight:** 34.29 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:	22.8%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.507 at 23.4 °C	Pass
Moisture Content:	11.1%	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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Moisture Content Analysis

Testing method: SOP-004

Analyzed by: Yujing Wen

Analyzed date: 10/26/2019

Batch ID: MC102619

Analyte	Result
Water	11.1%

Water Activity Analysis

Testing method: SOP-009

Analyzed by: Yujing Wen

Analyzed date: 10/26/2019

Batch ID: WA102619

Analyte	Result	Temperature
Water Activity	0.507	23.4 °C

Potency Analysis

Testing method: SOP-002

Analyzed by: Yujing Wen

Analyzed date: 10/25/2019

Batch ID: PO102519

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
THCA	25.3	0.1
Delta-9 THC	0.6	0.1
Delta-8 THC	< LOQ	0.1
CBN	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBD	< LOQ	0.1
CBC	< LOQ	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:	25.9	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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 10/26/2019

Batch ID: PE102619

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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Quality Control Results**Potency Analysis****Test Method:** SOP-002 by LC/MS/MS

Blank: MBLK-PO102519		Date analyzed: 10/25/2019
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- PO102519		Date analyzed: 10/25/2019
Analyte	% Recovery	% Recovery Criteria
THCV	90	70-130
THCA	97	70-130
Delta-9 THC	101	70-130
Delta-8 THC	103	70-130
CBN	92	70-130
CBG	102	70-130
CBDA	80	70-130
CBD	102	70-130
CBC	102	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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE102619		Date analyzed: 10/26/2019	
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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

LCS: LCS-PE102619			Date analyzed: 10/26/2019	
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	124	10-190	0.25	0.5
Acephate	104	30-170	0.20	0.4
Acequinocyl	81	10-190	1.00	2.0
Acetamiprid	87	30-170	0.10	0.2
Aldicarb	143	30-170	0.20	0.4
Azoxystrobin	134	30-170	0.10	0.2
Bifenazate	49	10-190	0.10	0.2
Bifenthrin	68	30-170	0.10	0.2
Boscalid	101	30-170	0.20	0.4
Carbaryl	100	30-170	0.10	0.2
Carbofuran	118	30-170	0.10	0.2
Chloranthraniliprole	125	30-170	0.10	0.2
Chlorfenapyr	87	10-190	1.00	1.0
Chlorpyrifos	76	30-170	0.10	0.2
Clofentezine	95	30-170	0.10	0.2
Cyfluthrin	120	30-170	0.50	1.0
Cypermethrin	98	30-170	0.50	1.0
Daminozide	111	30-170	0.50	1.0
DDVP (Dichlorvos)	114	30-170	0.50	1.0
Diazinon	115	30-170	0.10	0.2
Dimethoate	116	30-170	0.10	0.2
Ethoprophos	95	30-170	0.10	0.2
Etofenprox	111	30-170	0.20	0.4
Etoxazole	120	30-170	0.10	0.2
Fenoxycarb	117	30-170	0.10	0.2
Fenpyroximate	127	30-170	0.20	0.4
Fipronil	136	10-190	0.20	0.4
Flonicamid	119	10-190	0.50	1.0
Fludioxonil	98	10-190	0.20	0.4
Hexythiazox	81	30-170	0.50	1.0
Imazalil	117	30-170	0.10	0.2
Imidacloprid	97	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

Sample ID: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

Kresoxim-Methyl	93	30-170	0.20	0.4
Malathion	127	30-170	0.10	0.2
Metalaxyl	113	30-170	0.10	0.2
Methiocarb	101	30-170	0.10	0.2
Methomyl	116	30-170	0.20	0.4
Methyl Parathion	91	10-190	0.20	0.2
MGK-264	94	10-190	0.10	0.2
Myclobutanil	100	30-170	0.10	0.2
NALED (Dibrom)	106	30-170	0.25	0.5
Oxamyl	73	10-190	0.50	1.0
Paclobutrazol	93	30-170	0.20	0.4
Permethrins	93	30-170	0.10	0.2
Phosmet	80	30-170	0.10	0.2
Piperonyl Butoxide	129	30-170	1.00	2.0
Prallethrin	119	30-170	0.10	0.2
Propiconazole	118	30-170	0.20	0.4
Propoxur	105	30-170	0.10	0.2
Pyrethrin	32	30-170	0.50	1.0
Pyridaben	110	30-170	0.10	0.2
Spinosad	115	10-190	0.10	0.2
Spiromesifen	106	30-170	0.10	0.2
Spirotetramat	124	30-170	0.10	0.2
Spiroxamine	118	30-170	0.20	0.4
Tebuconazole	73	30-170	0.20	0.4
Thiacloprid	79	30-170	0.10	0.2
Thiamethoxam	105	30-170	0.10	0.2
Trifloxystrobin	127	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: EFF3146

Report ID: TR-EFF3146

Testing for Compliance

Report Date: 10/29/2019

Test RFID: 1A401030000F105000003146

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:

29Oct2019

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.