

Certificate of Analysis

Sample ID: EFF4407
Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Test RFID: 1A401030000F105000004407

Client Name:
Epic Family Farms

License No:
020-10041847FC2

Date Sampled: 05/13/2020
Sampled by: Yujing Wen
Sample Name: Tangelo (Buds)
Sample Type: Usable marijuana
Harvest Time: 10/27/2019
Sample Weight: 35.07 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:	21.1%	N/A
Total CBD:	0.2%	N/A
Water Activity:	0.526 at 21.2 °C	Pass
Moisture Content:	10.7%	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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 05/16/2020

Batch ID: MC051620

Analyte	Result
Water	10.7%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 05/14/2020

Batch ID: WA051420

Analyte	Result	Temperature
Water Activity	0.526	21.2 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 05/14/2020

Batch ID: PO051420

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBG	< LOQ	0.1
CBD	< LOQ	0.1
CBDA	0.2	0.1
CBN	< LOQ	0.1
Delta-8 THC	< LOQ	0.1
Delta-9 THC	1.7	0.1
CBC	< LOQ	0.1
THCA	22.1	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	21.1	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	0.2	N/A
Total Cannabinoids:	24.0	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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 05/15/2020

Batch ID: PE051520

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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

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-PO051420		Date analyzed: 05/14/2020
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- PO051420		Date analyzed: 05/14/2020
Analyte	% Recovery	% Recovery Criteria
THCV	93	70-130
CBD	90	70-130
CBG	118	70-130
CBDA	96	70-130
CBN	112	70-130
Delta-9 THC	107	70-130
Delta-8 THC	100	70-130
CBC	99	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.

Quality Control Results

Pesticides Analysis (Unit: ppm)

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

Blank: MBLK-PE051520		Date analyzed: 05/15/2020	
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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Test RFID: 1A401030000F105000004407

LCS: LCS-PE051520		Date analyzed: 05/15/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	71	10-190	0.25	0.5
Acephate	68	30-170	0.20	0.4
Acequinocyl	125	10-190	1.00	2.0
Acetamiprid	133	30-170	0.10	0.2
Aldicarb	126	30-170	0.20	0.4
Azoxystrobin	111	30-170	0.10	0.2
Bifenazate	97	10-190	0.10	0.2
Bifenthrin	118	30-170	0.10	0.2
Boscalid	117	30-170	0.20	0.4
Carbaryl	93	30-170	0.10	0.2
Carbofuran	97	30-170	0.10	0.2
Chloranthraniliprole	96	30-170	0.10	0.2
Chlorfenapyr	81	10-190	1.00	1.0
Chlorpyrifos	133	30-170	0.10	0.2
Clofentezine	127	30-170	0.10	0.2
Cyfluthrin	111	30-170	0.50	1.0
Cypermethrin	126	30-170	0.50	1.0
Daminozide	105	30-170	0.50	1.0
DDVP (Dichlorvos)	81	30-170	0.50	1.0
Diazinon	83	30-170	0.10	0.2
Dimethoate	100	30-170	0.10	0.2
Ethoprophos	113	30-170	0.10	0.2
Etofenprox	100	30-170	0.20	0.4
Etoxazole	110	30-170	0.10	0.2
Fenoxycarb	128	30-170	0.10	0.2
Fenpyroximate	95	30-170	0.20	0.4
Fipronil	97	10-190	0.20	0.4
Flonicamid	76	10-190	0.50	1.0
Fludioxonil	86	10-190	0.20	0.4
Hexythiazox	74	30-170	0.50	1.0
Imazalil	90	30-170	0.10	0.2
Imidacloprid	111	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: EFF4407
 Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

Kresoxim-Methyl	82	30-170	0.20	0.4
Malathion	90	30-170	0.10	0.2
Metalaxyl	109	30-170	0.10	0.2
Methiocarb	91	30-170	0.10	0.2
Methomyl	94	30-170	0.20	0.4
Methyl_Parathion	91	10-190	0.20	0.2
MGK-264	93	10-190	0.10	0.2
Myclobutanil	115	30-170	0.10	0.2
NALED (Dibrom)	97	30-170	0.25	0.5
Oxamyl	85	10-190	0.50	1.0
Paclobutrazol	119	30-170	0.20	0.4
Permethrins	94	30-170	0.10	0.2
Phosmet	137	30-170	0.10	0.2
Piperonyl_Butoxide	122	30-170	1.00	2.0
Prallethrin	110	30-170	0.10	0.2
Propiconazole	138	30-170	0.20	0.4
Propoxur	106	30-170	0.10	0.2
Pyrethrin	91	30-170	0.50	1.0
Pyridaben	123	30-170	0.10	0.2
Spinosad	86	10-190	0.10	0.2
Spiromesifen	83	30-170	0.10	0.2
Spirotetramat	127	30-170	0.10	0.2
Spiroxamine	109	30-170	0.20	0.4
Tebuconazole	121	30-170	0.20	0.4
Thiacloprid	127	30-170	0.10	0.2
Thiamethoxam	67	30-170	0.10	0.2
Trifloxystrobin	105	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: EFF4407
Report ID: TR-EFF4407

Testing for Compliance

Report Date: 05/18/2020

Source RFID: 1A401030000F105000004500

Test RFID: 1A401030000F105000004407

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:

18May2020

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.