

Certificate of Analysis

Testing for Compliance

Sample ID: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

Date Sampled: 07/15/2020
Sampled by: Wendy Wen
Sample Name: Jack The Ripper B (Buds)
Sample Type: Usable Marijuana
Harvest Time: 09/27/2019
Sample Weight: 6.82 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:	18.1%	N/A
Total CBD:	0.8%	N/A
Water Activity:	0.476 at 25.7 °C	Pass
Moisture Content:	10.0%	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

Testing for Compliance

Sample ID: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 07/18/2020

Batch ID: MC071820

Analyte	Result
Water	10.0%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 07/16/2020

Batch ID: WA071620

Analyte	Result	Temperature
Water Activity	0.476	25.7 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 07/16/2020

Batch ID: PO071620

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	<LOQ	0.1
CBG	< LOQ	0.1
CBDA	0.9	0.1
CBN	<LOQ	0.1
Delta-9 THC	1.4	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	19.1	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	18.1	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	0.8	N/A
Total Cannabinoids:	21.4	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: EFF4835
 Report ID: TR- EFF4835

Testing for Compliance

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

Pesticide Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 07/17/2020

Batch ID PE071720

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: EFF4835
 Report ID: TR- EFF4835

Testing for Compliance

Report Date: 07/20/2020

Source RFID: 1A401030000F105000003178

Test RFID: 1A401030000F105000004835

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

Blank: MBLK-PO071620		Date analyzed: 07/16/2020
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- PO071620		Date analyzed: 07/16/2020
Analyte	% Recovery	% Recovery Criteria
THCV	85	70-130
CBD	90	70-130
CBG	109	70-130
CBDA	105	70-130
CBN	106	70-130
Delta-9 THC	96	70-130
Delta-8 THC	96	70-130
CBC	93	70-130
THCA	112	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: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE071720		Date analyzed: 07/17/2020	
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

Testing for Compliance

Sample ID: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Source RFID: 1A401030000F105000003178

Test RFID: 1A401030000F105000004835

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: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

LCS: LCS-PE071720		Date analyzed: 07/17/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	53	10-190	0.25	0.5
Acephate	74	30-170	0.20	0.4
Acequinocyl	116	10-190	1.00	2.0
Acetamiprid	135	30-170	0.10	0.2
Aldicarb	72	30-170	0.20	0.4
Azoxystrobin	78	30-170	0.10	0.2
Bifenazate	83	10-190	0.10	0.2
Bifenthrin	97	30-170	0.10	0.2
Boscalid	108	30-170	0.20	0.4
Carbaryl	98	30-170	0.10	0.2
Carbofuran	104	30-170	0.10	0.2
Chloranthraniliprole	43	30-170	0.10	0.2
Chlorfenapyr	86	10-190	1.00	1.0
Chlorpyrifos	103	30-170	0.10	0.2
Clofentezine	125	30-170	0.10	0.2
Cyfluthrin	87	30-170	0.50	1.0
Cypermethrin	114	30-170	0.50	1.0
Daminozide	95	30-170	0.50	1.0
DDVP (Dichlorvos)	67	30-170	0.50	1.0
Diazinon	87	30-170	0.10	0.2
Dimethoate	87	30-170	0.10	0.2
Ethoprophos	86	30-170	0.10	0.2
Etofenprox	75	30-170	0.20	0.4
Etoxazole	91	30-170	0.10	0.2
Fenoxycarb	94	30-170	0.10	0.2
Fenpyroximate	79	30-170	0.20	0.4
Fipronil	129	10-190	0.20	0.4
Fonicamid	101	10-190	0.50	1.0
Fludioxonil	92	10-190	0.20	0.4
Hexythiazox	120	30-170	0.50	1.0
Imazalil	97	30-170	0.10	0.2
Imidacloprid	125	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: EFF4835
 Report ID: TR- EFF4835

Report Date: 07/20/2020

Source RFID: 1A401030000F105000003178

Test RFID: 1A401030000F105000004835

Kresoxim-Methyl	64	30-170	0.20	0.4
Malathion	66	30-170	0.10	0.2
Metalaxyl	106	30-170	0.10	0.2
Methiocarb	92	30-170	0.10	0.2
Methomyl	117	30-170	0.20	0.4
Methyl_Parathion	92	10-190	0.20	0.2
MGK-264	132	10-190	0.10	0.2
Myclobutanil	102	30-170	0.10	0.2
NALED (Dibrom)	64	30-170	0.25	0.5
Oxamyl	121	10-190	0.50	1.0
Paclobutrazol	137	30-170	0.20	0.4
Permethrins	88	30-170	0.10	0.2
Phosmet	114	30-170	0.10	0.2
Piperonyl_Butoxide	82	30-170	1.00	2.0
Prallethrin	108	30-170	0.10	0.2
Propiconazole	123	30-170	0.20	0.4
Propoxur	86	30-170	0.10	0.2
Pyrethrin	125	30-170	0.50	1.0
Pyridaben	124	30-170	0.10	0.2
Spinosad	101	10-190	0.10	0.2
Spiromesifen	76	30-170	0.10	0.2
Spirotetramat	123	30-170	0.10	0.2
Spiroxamine	108	30-170	0.20	0.4
Tebuconazole	126	30-170	0.20	0.4
Thiacloprid	135	30-170	0.10	0.2
Thiamethoxam	102	30-170	0.10	0.2
Trifloxystrobin	64	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: EFF4835
Report ID: TR- EFF4835

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004835

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: 20JUL2020

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.