

Certificate of Analysis

Testing for Compliance

Sample ID: EFF3806  
Report ID: TR-EFF3806

Report Date: 01/28/2020

Test RFID: 1A401030000F105000003806

Client Name:  
Epic Family Farms

License No:  
020-10041847FC2

Date Sampled: 01/23/2020  
Sampled by: Shuguo Ma  
Sample Name: Alaskan Thunder Fuck (Buds)  
Sample Type: Usable Marijuana  
Harvest Time: 10/16/2019  
Sample Weight: 13.15 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:	22.7%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.498 at 18.7 °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: EFF3806  
 Report ID: TR-EFF3806

Testing for Compliance

Report Date: 01/28/2020

Test RFID: 1A401030000F105000003806

## Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 01/25/2020

Batch ID: MC012520

Analyte	Result
Water	11.1%

## Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 01/25/2020

Batch ID: WA012520

Analyte	Result	Temperature
Water Activity	0.498	18.7 °C

## Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 01/24/2020

Batch ID: PO012420

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
< LOQ	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	1.1	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	24.6	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	22.7	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	25.7	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: EFF3806  
 Report ID: TR-EFF3806

Testing for Compliance

Report Date: 01/28/2020

Test RFID: 1A401030000F105000003806

**Pesticide Analysis (Unit: ppm)**

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 01/24/2020

Batch ID PE012420

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: EFF3806  
 Report ID: TR-EFF3806

**Testing for Compliance**

Report Date: 01/28/2020

Source RFID: 1A401030000F105000003805

Test RFID: 1A401030000F105000003806

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-PO012420		Date analyzed: 01/24/2020
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- PO012420		Date analyzed: 01/24/2020
Analyte	% Recovery	% Recovery Criteria
THCV	86	70-130
CBD	98	70-130
CBG	98	70-130
CBDA	84	70-130
CBN	92	70-130
Delta-9 THC	100	70-130
Delta-8 THC	100	70-130
CBC	109	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: EFF3806  
 Report ID: TR-EFF3806

Testing for Compliance

Report Date: 01/28/2020

Test RFID: 1A401030000F105000003806

## Quality Control Results

### Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE012420		Date analyzed: 01/24/2020	
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: EFF3806  
 Report ID: TR-EFF3806

**Testing for Compliance**

Report Date: 01/28/2020

Source RFID: 1A401030000F105000003805

Test RFID: 1A401030000F105000003806

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: EFF3806  
 Report ID: TR-EFF3806

Testing for Compliance

Report Date: 01/28/2020

Source RFID: 1A401030000F105000003805

Test RFID: 1A401030000F105000003806

LCS: LCS-PE012420		Date analyzed: 01/24/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	67	10-190	0.25	0.5
Acephate	122	30-170	0.20	0.4
Acequinocyl	86	10-190	1.00	2.0
Acetamidrid	97	30-170	0.10	0.2
Aldicarb	76	30-170	0.20	0.4
Azoxystrobin	89	30-170	0.10	0.2
Bifenazate	44	10-190	0.10	0.2
Bifenthrin	89	30-170	0.10	0.2
Boscalid	109	30-170	0.20	0.4
Carbaryl	102	30-170	0.10	0.2
Carbofuran	99	30-170	0.10	0.2
Chloranthraniliprole	104	30-170	0.10	0.2
Chlorfenapyr	50	10-190	1.00	1.0
Chlorpyrifos	105	30-170	0.10	0.2
Clofentezine	143	30-170	0.10	0.2
Cyfluthrin	87	30-170	0.50	1.0
Cypermethrin	85	30-170	0.50	1.0
Daminozide	104	30-170	0.50	1.0
DDVP (Dichlorvos)	83	30-170	0.50	1.0
Diazinon	88	30-170	0.10	0.2
Dimethoate	108	30-170	0.10	0.2
Ethoprophos	101	30-170	0.10	0.2
Etofenprox	97	30-170	0.20	0.4
Etoxazole	71	30-170	0.10	0.2
Fenoxycarb	88	30-170	0.10	0.2
Fenpyroximate	116	30-170	0.20	0.4
Fipronil	41	10-190	0.20	0.4
Flonicamid	43	10-190	0.50	1.0
Fludioxonil	93	10-190	0.20	0.4
Hexythiazox	150	30-170	0.50	1.0
Imazalil	82	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**

**Testing for Compliance**

Sample ID: EFF3806  
 Report ID: TR-EFF3806

Report Date: 01/28/2020

Source RFID: 1A401030000F105000003805

Test RFID: 1A401030000F105000003806

Kresoxim-Methyl	83	30-170	0.20	0.4
Malathion	91	30-170	0.10	0.2
Metalaxyl	77	30-170	0.10	0.2
Methiocarb	99	30-170	0.10	0.2
Methomyl	67	30-170	0.20	0.4
Methyl_Parathion	103	10-190	0.20	0.2
MGK-264	99	10-190	0.10	0.2
Myclobutanil	104	30-170	0.10	0.2
NALED (Dibrom)	56	30-170	0.25	0.5
Oxamyl	118	10-190	0.50	1.0
Paclobutrazol	83	30-170	0.20	0.4
Permethrins	107	30-170	0.10	0.2
Phosmet	81	30-170	0.10	0.2
Piperonyl_Butoxide	87	30-170	1.00	2.0
Prallethrin	95	30-170	0.10	0.2
Propiconazole	86	30-170	0.20	0.4
Propoxur	99	30-170	0.10	0.2
Pyrethrin	87	30-170	0.50	1.0
Pyridaben	77	30-170	0.10	0.2
Spinosad	113	10-190	0.10	0.2
Spiromesifen	94	30-170	0.10	0.2
Spirotetramat	118	30-170	0.10	0.2
Spiroxamine	84	30-170	0.20	0.4
Tebuconazole	83	30-170	0.20	0.4
Thiacloprid	91	30-170	0.10	0.2
Thiamethoxam	139	30-170	0.10	0.2
Trifloxystrobin	115	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: EFF3806  
Report ID: TR-EFF3806

Testing for Compliance

Report Date: 01/28/2020

Test RFID: 1A401030000F105000003806

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: 28Jan2020

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.