

Certificate of Analysis

Testing for Compliance

Sample ID: EFF4265
 Report ID: TR-EFF4265

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

Date Sampled: 04/15/2020
Sampled by: Yujing Wen
Sample Name: Blueberry Cupcake B (Buds)
Sample Type: Usable marijuana
Harvest Time: 10/31/2019
Sample Weight: 21.25 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:	17.2%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.485 at 20.3 °C	Pass
Moisture Content:	10.3%	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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 04/17/2020

Batch ID: MC041720

Analyte	Result
Water	10.3%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 04/16/2020

Batch ID: WA041620

Analyte	Result	Temperature
Water Activity	0.485	20.3 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 04/16/2020

Batch ID: PO041620

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	1.1	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	18.3	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	17.2	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	19.4	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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

Pesticide Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 04/16/2020

Batch ID PE041620

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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Source RFID: 1A401030000F105000003957

Test RFID: 1A401030000F105000004265

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-PO041620		Date analyzed: 04/16/2020
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- PO041620		Date analyzed: 04/16/2020
Analyte	% Recovery	% Recovery Criteria
THCV	102	70-130
CBD	100	70-130
CBG	109	70-130
CBDA	109	70-130
CBN	98	70-130
Delta-9 THC	93	70-130
Delta-8 THC	85	70-130
CBC	93	70-130
THCA	99	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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE041620		Date analyzed: 04/16/2020	
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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Source RFID: 1A401030000F105000003957

Test RFID: 1A401030000F105000004265

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: EFF4265
 Report ID: TR-EFF4265

Testing for Compliance

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

LCS: LCS-PE041620		Date analyzed: 04/16/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	72	10-190	0.25	0.5
Acephate	72	30-170	0.20	0.4
Acequinocyl	90	10-190	1.00	2.0
Acetamiprid	125	30-170	0.10	0.2
Aldicarb	59	30-170	0.20	0.4
Azoxystrobin	57	30-170	0.10	0.2
Bifenazate	115	10-190	0.10	0.2
Bifenthrin	108	30-170	0.10	0.2
Boscalid	115	30-170	0.20	0.4
Carbaryl	70	30-170	0.10	0.2
Carbofuran	86	30-170	0.10	0.2
Chloranthraniliprole	62	30-170	0.10	0.2
Chlorfenapyr	128	10-190	1.00	1.0
Chlorpyrifos	132	30-170	0.10	0.2
Clofentezine	73	30-170	0.10	0.2
Cyfluthrin	157	30-170	0.50	1.0
Cypermethrin	97	30-170	0.50	1.0
Daminozide	72	30-170	0.50	1.0
DDVP (Dichlorvos)	73	30-170	0.50	1.0
Diazinon	76	30-170	0.10	0.2
Dimethoate	86	30-170	0.10	0.2
Ethoprophos	82	30-170	0.10	0.2
Etofenprox	42	30-170	0.20	0.4
Etoxazole	156	30-170	0.10	0.2
Fenoxycarb	114	30-170	0.10	0.2
Fenpyroximate	67	30-170	0.20	0.4
Fipronil	68	10-190	0.20	0.4
Fonicamid	101	10-190	0.50	1.0
Fludioxonil	100	10-190	0.20	0.4
Hexythiazox	131	30-170	0.50	1.0
Imazalil	109	30-170	0.10	0.2
Imidacloprid	106	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: EFF4265
 Report ID: TR-EFF4265

Report Date: 04/20/2020

Source RFID: 1A401030000F105000003957

Test RFID: 1A401030000F105000004265

Kresoxim-Methyl	52	30-170	0.20	0.4
Malathion	61	30-170	0.10	0.2
Metalaxyl	126	30-170	0.10	0.2
Methiocarb	76	30-170	0.10	0.2
Methomyl	75	30-170	0.20	0.4
Methyl_Parathion	76	10-190	0.20	0.2
MGK-264	159	10-190	0.10	0.2
Myclobutanil	84	30-170	0.10	0.2
NALED (Dibrom)	94	30-170	0.25	0.5
Oxamyl	62	10-190	0.50	1.0
Paclobutrazol	118	30-170	0.20	0.4
Permethrins	139	30-170	0.10	0.2
Phosmet	100	30-170	0.10	0.2
Piperonyl_Butoxide	61	30-170	1.00	2.0
Prallethrin	96	30-170	0.10	0.2
Propiconazole	130	30-170	0.20	0.4
Propoxur	96	30-170	0.10	0.2
Pyrethrin	82	30-170	0.50	1.0
Pyridaben	102	30-170	0.10	0.2
Spinosad	98	10-190	0.10	0.2
Spiromesifen	56	30-170	0.10	0.2
Spirotetramat	104	30-170	0.10	0.2
Spiroxamine	109	30-170	0.20	0.4
Tebuconazole	140	30-170	0.20	0.4
Thiacloprid	95	30-170	0.10	0.2
Thiamethoxam	85	30-170	0.10	0.2
Trifloxystrobin	35	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: EFF4265
Report ID: TR-EFF4265

Report Date: 04/20/2020

Test RFID: 1A401030000F105000004265

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:

20Apr2020

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.