MW Labs
724 S Central Ave STE 202
Medford OR 97501
(541) 499-6300
License: 1008606C050

Certificate of Analysis

Sample ID: EFF3152
Report ID: TR-EFF3152

Testing for Compliance

Report Date: 10/29/2019

Source RFID: 1A401030000F105000003151
Test RFID: 1A401030000F105000003152

Client Name:
Epic Family Farms

License No:
020-10041847FC2

Date Sampled: 10/24/2019
Sampled by: Shuguo Ma
Sample Name: Mac #1 buds
Sample Type: Usable marijuana
Harvest Time: 10/8/2019
Sample Weight: 35.33 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:	20.5%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.516 at 23.4 °C	Pass
Moisture Content:	11.3%	Pass
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65 and 15% for moisture content.

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Moisture Content Analysis

Testing method: SOP-004 **Analyzed by:** Yujing Wen **Analyzed date:** 10/26/2019
Batch ID: MC102619

Analyte	Result
Water	11.3%

Water Activity Analysis

Testing method: SOP-009 **Analyzed by:** Yujing Wen **Analyzed date:** 10/26/2019
Batch ID: WA102619

Analyte	Result	Temperature
Water Activity	0.516	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	22.5	0.1
Delta-9 THC	0.7	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: $\Delta 9+0.877\times THCA$	20.5	N/A
Total CBD: $CBD+0.877\times CBDA$	< LOQ	N/A
Total Cannabinoids:	23.2	N/A

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Testing for Compliance

Report Date: 10/29/2019

Source RFID: 1A401030000F105000003151 **Test RFID:** 1A401030000F105000003152

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

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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

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Source RFID: 1A401030000F105000003151
Test RFID: 1A401030000F105000003152

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

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Test RFID: 1A401030000F105000003152

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

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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

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Test RFID: 1A401030000F105000003152

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

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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

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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

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