

Certificate of Analysis

Sample ID: EFF4413
Report ID: TR-EFF4413

Testing for Compliance

Report Date: 05/18/2020

Test RFID: 1A401030000F105000004413

Client Name:
Epic Family Farms

License No:
020-10041847FC2

Date Sampled: 05/13/2020
Sampled by: Yujing Wen
Sample Name: Tangelo B (Buds)
Sample Type: Usable marijuana
Harvest Time: 10/28/2019
Sample Weight: 35.71 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:	17.1%	N/A
Total CBD:	0.2%	N/A
Water Activity:	0.523 at 21.2 °C	Pass
Moisture Content:	10.6%	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: 05/16/2020

Batch ID: MC051620

Analyte	Result
Water	10.6%

Water Activity Analysis

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

Batch ID: WA051420

Analyte	Result	Temperature
Water Activity	0.523	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	0.1	0.1
Delta-8 THC	< LOQ	0.1
Delta-9 THC	2.7	0.1
CBC	< LOQ	0.1
THCA	16.3	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	17.1	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	0.2	N/A
Total Cannabinoids:	19.4	N/A

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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

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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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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

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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

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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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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

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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

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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
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Comments: "N/A" if there is no comment made
N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

18May2020

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