

Certificate of Analysis

Sample ID: EFF5439
Report ID: TR-EFF5439

Report Date: 12/07/2020

Test RFID: 1A401030000F105000005439

Client Name:
Epic Family Farms

License No:

Date Sampled: 12/02/2020
Sampled by: Wendy Wen
Sample Name: Lemon Kush (Buds)
Sample Type: Usable marijuana
Harvest Time: 10/28/2020
Sample Weight: 34.27 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:	23.9%	N/A
Total CBD:	0.4%	N/A
Water Activity:	0.539 at 24.3 °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: 12/03/2020

Batch ID: MC120320

Analyte	Result
Water	10.6%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 12/03/2020

Batch ID: WA120320

Analyte	Result	Temperature
Water Activity	0.539	24.3 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 12/03/2020

Batch ID: PO120320

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	0.5	0.1
CBN	< LOQ	0.1
Delta-9 THC	1.3	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	25.7	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	23.9	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	0.4	N/A
Total Cannabinoids:	27.5	N/A

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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 12/03/2020

Batch ID: PE120320

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-PO120320		Date analyzed: 12/03/2020
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- PO120320		Date analyzed: 12/03/2020
Analyte	% Recovery	% Recovery Criteria
THCV	81	70-130
CBD	95	70-130
CBG	99	70-130
CBDA	100	70-130
CBN	102	70-130
Delta-9 THC	88	70-130
Delta-8 THC	93	70-130
CBC	103	70-130
THCA	107	70-130

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE120320		Date analyzed: 12/03/2020	
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-PE120320		Date analyzed: 12/03/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	41	10-190	0.25	0.5
Acephate	128	30-170	0.20	0.4
Acequinocyl	112	10-190	1.00	2.0
Acetamiprid	69	30-170	0.10	0.2
Aldicarb	104	30-170	0.20	0.4
Azoxystrobin	74	30-170	0.10	0.2
Bifenazate	88	10-190	0.10	0.2
Bifenthrin	125	30-170	0.10	0.2
Boscalid	73	30-170	0.20	0.4
Carbaryl	79	30-170	0.10	0.2
Carbofuran	107	30-170	0.10	0.2
Chloranthraniliprole	83	30-170	0.10	0.2
Chlorfenapyr	102	10-190	1.00	1.0
Chlorpyrifos	91	30-170	0.10	0.2
Clofentezine	148	30-170	0.10	0.2
Cyfluthrin	86	30-170	0.50	1.0
Cypermethrin	111	30-170	0.50	1.0
Daminozide	115	30-170	0.50	1.0
DDVP (Dichlorvos)	80	30-170	0.50	1.0
Diazinon	77	30-170	0.10	0.2
Dimethoate	133	30-170	0.10	0.2
Ethoprophos	79	30-170	0.10	0.2
Etofenprox	52	30-170	0.20	0.4
Etoxazole	68	30-170	0.10	0.2
Fenoxycarb	82	30-170	0.10	0.2
Fenpyroximate	52	30-170	0.20	0.4
Fipronil	99	10-190	0.20	0.4
Fonicamid	110	10-190	0.50	1.0
Fludioxonil	80	10-190	0.20	0.4
Hexythiazox	88	30-170	0.50	1.0
Imazalil	67	30-170	0.10	0.2
Imidacloprid	74	30-170	0.20	0.4

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Kresoxim-Methyl	54	30-170	0.20	0.4
Malathion	64	30-170	0.10	0.2
Metalaxyl	87	30-170	0.10	0.2
Methiocarb	72	30-170	0.10	0.2
Methomyl	116	30-170	0.20	0.4
Methyl Parathion	72	10-190	0.20	0.2
MGK-264	90	10-190	0.10	0.2
Myclobutanil	97	30-170	0.10	0.2
NALED (Dibrom)	130	30-170	0.25	0.5
Oxamyl	112	10-190	0.50	1.0
Paclobutrazol	94	30-170	0.20	0.4
Permethrins	74	30-170	0.10	0.2
Phosmet	75	30-170	0.10	0.2
Piperonyl Butoxide	42	30-170	1.00	2.0
Prallethrin	74	30-170	0.10	0.2
Propiconazole	96	30-170	0.20	0.4
Propoxur	87	30-170	0.10	0.2
Pyrethrin	51	30-170	0.50	1.0
Pyridaben	69	30-170	0.10	0.2
Spinosad	138	10-190	0.10	0.2
Spiromesifen	51	30-170	0.10	0.2
Spirotetramat	87	30-170	0.10	0.2
Spiroxamine	74	30-170	0.20	0.4
Tebuconazole	95	30-170	0.20	0.4
Thiacloprid	72	30-170	0.10	0.2
Thiamethoxam	82	30-170	0.10	0.2
Trifloxystrobin	46	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: 07Dec2020

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