

Certificate of Analysis

Sample ID: EFF6039
Report ID: TR-EFF6039

Report Date: 02/22/2021

Source RFID: 1A401030000F105000006038

Test RFID: 1A401030000F105000006039

Client Name:
Epic Family Farms

License No:
020-10041847FC2

Date Sampled: 02/16/2021
Sampled by: Wendy Wen
Sample Name: Jack Herer flower (Buds)
Sample Type: Usable marijuana
Harvest Time: 10/26/2020
Sample Weight: 34.25 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:	215.9 mg/g	N/A
Total CBD:	24.0 mg/g	N/A
Water Activity:	0.511 at 21.9 °C	Pass
Moisture Content:	10.2%	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: 02/19/2021
Batch ID: MC021921

Analyte	Result
Water	10.2%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 02/18/2021
Batch ID: WA021821

Analyte	Result	Temperature
Water Activity	0.511	21.9 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 02/18/2021
Batch ID: PO021821

Analyte	Result, mg/g	LOQ, %
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	27.3	0.1
CBN	< LOQ	0.1
Delta-9 THC	23.3	0.1
CBC	< LOQ	0.1
THCA	219.6	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	215.9	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	24.0	N/A
Total Cannabinoids:	270.3	N/A

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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 02/18/2021
Batch ID: PE021821

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-PO021821		Date analyzed: 02/18/2021
Analyte	Result, %	LOQ, %
CBD	< LOQ	0.1
CBDA	< LOQ	0.1
Delta-9 THC	< LOQ	0.1
THCA	< LOQ	0.1

LCS: LCS- PO021821		Date analyzed: 02/18/2021
Analyte	% Recovery	% Recovery Criteria
CBD	100	70-130
CBDA	91	70-130
Delta-9 THC	103	70-130
THCA	92	70-130

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE021821		Date analyzed: 02/18/2021	
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-PE021821		Date analyzed: 02/18/2021		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	99	10-190	0.25	0.5
Acephate	84	30-170	0.20	0.4
Acequinocyl	72	10-190	1.00	2.0
Acetamiprid	106	30-170	0.10	0.2
Aldicarb	102	30-170	0.20	0.4
Azoxystrobin	77	30-170	0.10	0.2
Bifenazate	112	10-190	0.10	0.2
Bifenthrin	72	30-170	0.10	0.2
Boscalid	85	30-170	0.20	0.4
Carbaryl	111	30-170	0.10	0.2
Carbofuran	106	30-170	0.10	0.2
Chloranthraniliprole	82	30-170	0.10	0.2
Chlorfenapyr	76	10-190	1.00	1.0
Chlorpyrifos	50	30-170	0.10	0.2
Clofentezine	101	30-170	0.10	0.2
Cyfluthrin	102	30-170	0.50	1.0
Cypermethrin	113	30-170	0.50	1.0
Daminozide	137	30-170	0.50	1.0
DDVP (Dichlorvos)	77	30-170	0.50	1.0
Diazinon	67	30-170	0.10	0.2
Dimethoate	137	30-170	0.10	0.2
Ethoprophos	96	30-170	0.10	0.2
Etofenprox	60	30-170	0.20	0.4
Etoxazole	46	30-170	0.10	0.2
Fenoxycarb	85	30-170	0.10	0.2
Fenpyroximate	129	30-170	0.20	0.4
Fipronil	81	10-190	0.20	0.4
Fonicamid	125	10-190	0.50	1.0
Fludioxonil	73	10-190	0.20	0.4
Hexythiazox	56	30-170	0.50	1.0
Imazalil	135	30-170	0.10	0.2
Imidacloprid	106	30-170	0.20	0.4

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Kresoxim-Methyl	112	30-170	0.20	0.4
Malathion	81	30-170	0.10	0.2
Metalaxyl	72	30-170	0.10	0.2
Methiocarb	73	30-170	0.10	0.2
Methomyl	92	30-170	0.20	0.4
Methyl Parathion	119	10-190	0.20	0.2
MGK-264	104	10-190	0.10	0.2
Myclobutanil	113	30-170	0.10	0.2
NALED (Dibrom)	120	30-170	0.25	0.5
Oxamyl	74	10-190	0.50	1.0
Paclobutrazol	135	30-170	0.20	0.4
Permethrins	67	30-170	0.10	0.2
Phosmet	121	30-170	0.10	0.2
Piperonyl Butoxide	75	30-170	1.00	2.0
Prallethrin	101	30-170	0.10	0.2
Propiconazole	103	30-170	0.20	0.4
Propoxur	116	30-170	0.10	0.2
Pyrethrin	97	30-170	0.50	1.0
Pyridaben	104	30-170	0.10	0.2
Spinosad	91	10-190	0.10	0.2
Spiromesifen	62	30-170	0.10	0.2
Spirotetramat	73	30-170	0.10	0.2
Spiroxamine	92	30-170	0.20	0.4
Tebuconazole	114	30-170	0.20	0.4
Thiacloprid	80	30-170	0.10	0.2
Thiamethoxam	120	30-170	0.10	0.2
Trifloxystrobin	56	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:

22Feb2021

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