

Certificate of AnalysisSample ID: EFF1238
Report ID: TR- EFF1238**Testing for Compliance**

Report Date: 03/24/2019

Source RFID: 1A401030000F105000001237

Test RFID: 1A401030000F105000001238

Client Name:
Epic Family Farms**License No:**
020-10041847FC2**Date Sampled:** 03/19/2019
Sampled by: Yujing Wen
Sample Name: Cinex (buds)
Sample Type: Usable marijuana
Harvest Time: 09/28/2018
Sample Weight: 16.48 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:	20.7%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.354 at 20.7 °C	Pass
Moisture Content:	8.7%	Pass
Pesticides:	< LOQ	Pass
Total Terpene:	1.66%	N/A

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

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Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 03/22/2019

Batch ID: MC032219

Analyte	Result
Water	8.7%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 03/22/2019

Batch ID: WA032219

Analyte	Result	Temperature
Water Activity	0.354	20.7 °C

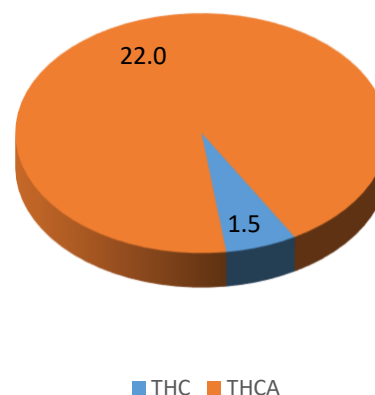
Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 03/20/2019

Batch ID: PO032019

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	1.5	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	22.0	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	20.7	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	23.4	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 03/20/2019

Batch ID: PE032019

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

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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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Terpene Analysis

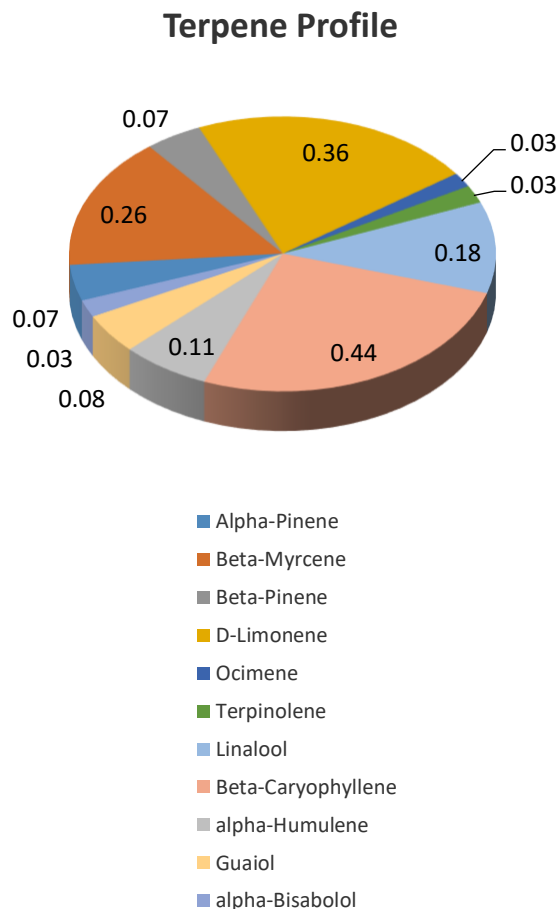
Testing method: SOP-011

Analyzed by: Yujing Wen

Analyzed date: 03/20/2019

Batch ID: TP032019

Analyte	Result, %	LOQ, %
Monoterpenes		
Alpha-Pinene	0.07	0.01
Camphene	< LOQ	0.01
Beta-Myrcene	0.26	0.01
Beta-Pinene	0.07	0.01
3-Carene	< LOQ	0.01
alpha-Terpinene	< LOQ	0.01
D-Limonene	0.36	0.01
P-Cymene	< LOQ	0.01
Ocimene	0.03	0.01
gamma-Terpinene	< LOQ	0.01
Terpinolene	0.03	0.01
Linalool	0.18	0.01
Isopulegol	< LOQ	0.01
Geraniol	< LOQ	0.01
Sesquiterpenes		
Beta-Caryophyllene	0.44	0.01
alpha-Humulene	0.11	0.01
Nerolidol	< LOQ	0.01
Guaiol	0.08	0.01
alpha-Bisabolol	0.03	0.01
Total Terpenes	1.66	N/A



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Quality Control Results

Potency Analysis

Test Method: SOP-002 by LC/MS/MS

Blank: MBLK-PO032019		Date analyzed: 03/20/2019
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-PO032019		Date analyzed: 03/20/2019
Analyte	% Recovery	% Recovery Criteria
THCV	107	70-130
CBD	99	70-130
CBG	103	70-130
CBDA	81	70-130
CBN	100	70-130
Delta-9 THC	118	70-130
Delta-8 THC	96	70-130
CBC	101	70-130
THCA	97	70-130

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Quality Control Results

Pesticides Analysis (Unit: ppm)

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

Blank: MBLK-PE032019		Date analyzed: 03/20/2019	
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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LCS: LCS-PE032019		Date analyzed: 03/20/2019		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	73	10-190	0.25	0.5
Acephate	140	30-170	0.20	0.4
Acequinocyl	98	10-190	1.00	2.0
Acetamiprid	119	30-170	0.10	0.2
Aldicarb	118	30-170	0.20	0.4
Azoxystrobin	70	30-170	0.10	0.2
Bifenazate	86	10-190	0.10	0.2
Bifenthrin	86	30-170	0.10	0.2
Boscalid	117	30-170	0.20	0.4
Carbaryl	87	30-170	0.10	0.2
Carbofuran	110	30-170	0.10	0.2
Chloranthraniliprole	79	30-170	0.10	0.2
Chlorfenapyr	56	10-190	1.00	1.0
Chlorpyrifos	78	30-170	0.10	0.2
Clofentezine	124	30-170	0.10	0.2
Cyfluthrin	103	30-170	0.50	1.0
Cypermethrin	94	30-170	0.50	1.0
Daminozide	140	30-170	0.50	1.0
DDVP (Dichlorvos)	62	30-170	0.50	1.0
Diazinon	73	30-170	0.10	0.2
Dimethoate	97	30-170	0.10	0.2
Ethoprophos	58	30-170	0.10	0.2
Etofenprox	69	30-170	0.20	0.4
Etoxazole	75	30-170	0.10	0.2
Fenoxycarb	73	30-170	0.10	0.2
Fenpyroximate	84	30-170	0.20	0.4
Fipronil	114	10-190	0.20	0.4
Flonicamid	72	10-190	0.50	1.0
Fludioxonil	74	10-190	0.20	0.4
Hexythiazox	105	10-190	0.50	1.0
Imazalil	100	30-170	0.10	0.2
Imidacloprid	138	30-170	0.20	0.4

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Kresoxim-Methyl	66	30-170	0.20	0.4
Malathion	73	30-170	0.10	0.2
Metalaxyl	78	30-170	0.10	0.2
Methiocarb	87	30-170	0.10	0.2
Methomyl	72	30-170	0.20	0.4
Methyl_Parathion	94	10-190	0.20	0.2
MGK-264	137	10-190	0.10	0.2
Myclobutanil	57	30-170	0.10	0.2
NALED (Dibrom)	133	30-170	0.25	0.5
Oxamyl	135	10-190	0.50	1.0
Paclobutrazol	47	30-170	0.20	0.4
Permethrins	49	30-170	0.10	0.2
Phosmet	94	30-170	0.10	0.2
Piperonyl_Butoxide	73	30-170	1.00	2.0
Prallethrin	96	30-170	0.10	0.2
Propiconazole	75	30-170	0.20	0.4
Propoxur	87	30-170	0.10	0.2
Pyrethrin	75	30-170	0.50	1.0
Pyridaben	74	30-170	0.10	0.2
Spinosad	109	10-190	0.10	0.2
Spiromesifen	71	30-170	0.10	0.2
Spirotetramat	82	30-170	0.10	0.2
Spiroxamine	100	30-170	0.20	0.4
Tebuconazole	66	30-170	0.20	0.4
Thiacloprid	103	30-170	0.10	0.2
Thiamethoxam	137	30-170	0.10	0.2
Trifloxystrobin	74	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.

<u>Deviation occurred in test?</u> Answer: No	<u>Opinion and interpretation provided?</u> 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:

24Mar2019

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