

Certificate of Analysis

Sample ID: EF0377

Report ID: TR- EF0377

Testing for Compliance

Report Date: 08/31/2018

Report Expiry: 08/31/2019

Test RFID: 1A401030000F105000000377

Client Name:

Epic Family Farms

License No:

020-10041847FC2

Date Sampled: 08/29/2018**Sampled by:** Yujing Wen**Sample Name:** Purple Hindu Kush (buds)**Sample Type:** Usable marijuana**Harvest Time:** N/A**Sample Weight:** 30.32 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:	23.8%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.385 at 24.9 °C	Pass
Moisture Content:	10.7%	N/A
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65.

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Moisture Content Analysis

Testing method: SOP-004

Analyzed by: Yujing Wen

Analyzed date: 08/30/2018

Batch ID: MC083018

Analyte	Result
Water	10.7%

Water Activity Analysis

Testing method: SOP-009

Analyzed by: Yujing Wen

Analyzed date: 08/30/2018

Batch ID: WA083018

Analyte	Result	Temperature
Water Activity	0.385	24.9 °C

Potency Analysis

Testing method: SOP-002

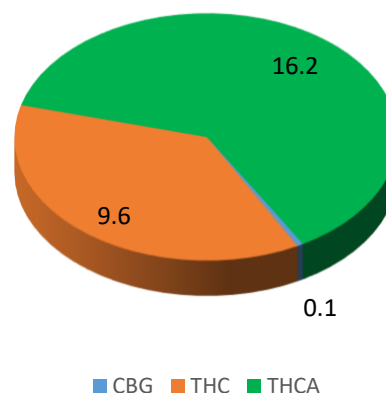
Analyzed by: Yujing Wen

Analyzed date: 08/29/2018

Batch ID: PO082918

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	0.1	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	9.6	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	16.2	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	23.8	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	25.9	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 08/31/2018

Batch ID: PE083118

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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Quality Control Results

Potency Analysis

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

Blank: MBLK-PO082918		Date analyzed: 08/29/2018
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-PO082918		Date analyzed: 08/29/2018
Analyte	% Recovery	% Recovery Criteria
THCV	114	70-130
CBD	109	70-130
CBG	101	70-130
CBDA	90	70-130
CBN	108	70-130
Delta-9 THC	109	70-130
Delta-8 THC	108	70-130
CBC	95	70-130
THCA	78	70-130

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Quality Control Results

Pesticides Analysis (Unit: ppm)

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

Blank: MBLK-PE083118		Date analyzed: 08/31/2018	
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-PE083118		Date analyzed: 08/31/2018		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	114	10-190	0.25	0.5
Acephate	122	30-170	0.20	0.4
Acequinocyl	66	10-190	1.00	2.0
Acetamiprid	126	30-170	0.10	0.2
Aldicarb	38	30-170	0.20	0.4
Azoxystrobin	110	30-170	0.10	0.2
Bifenazate	71	10-190	0.10	0.2
Bifenthrin	88	30-170	0.10	0.2
Boscalid	88	30-170	0.20	0.4
Carbaryl	128	30-170	0.10	0.2
Carbofuran	88	30-170	0.10	0.2
Chloranthraniliprole	90	30-170	0.10	0.2
Chlorfenapyr	124	10-190	1.00	1.0
Chlorpyrifos	125	30-170	0.10	0.2
Clofentezine	110	30-170	0.10	0.2
Cyfluthrin	130	30-170	0.50	1.0
Cypermethrin	134	30-170	0.50	1.0
Daminozide	105	30-170	0.50	1.0
DDVP (Dichlorvos)	92	30-170	0.50	1.0
Diazinon	137	30-170	0.10	0.2
Dimethoate	91	30-170	0.10	0.2
Ethoprophos	125	30-170	0.10	0.2
Etofenprox	138	30-170	0.20	0.4
Etoxazole	134	30-170	0.10	0.2
Fenoxycarb	98	30-170	0.10	0.2
Fenpyroximate	96	30-170	0.20	0.4
Fipronil	87	10-190	0.20	0.4
Flonicamid	103	10-190	0.50	1.0
Fludioxonil	104	10-190	0.20	0.4
Hexythiazox	137	30-170	0.50	1.0
Imazalil	92	30-170	0.10	0.2
Imidacloprid	114	30-170	0.20	0.4

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Kresoxim-Methyl	112	30-170	0.20	0.4
Malathion	88	30-170	0.10	0.2
Metalaxyl	124	30-170	0.10	0.2
Methiocarb	75	30-170	0.10	0.2
Methomyl	131	30-170	0.20	0.4
Methyl_Parathion	87	10-190	0.20	0.2
MGK-264	107	10-190	0.10	0.2
Myclobutanil	126	30-170	0.10	0.2
NALED (Dibrom)	84	30-170	0.25	0.5
Oxamyl	103	10-190	0.50	1.0
Paclobutrazol	91	30-170	0.20	0.4
Permethrins	125	30-170	0.10	0.2
Phosmet	89	30-170	0.10	0.2
Piperonyl_Butoxide	122	30-170	1.00	2.0
Prallethrin	96	30-170	0.10	0.2
Propiconazole	139	30-170	0.20	0.4
Propoxur	91	30-170	0.10	0.2
Pyrethrin	130	30-170	0.50	1.0
Pyridaben	124	30-170	0.10	0.2
Spinosad	159	10-190	0.10	0.2
Spiromesifen	89	30-170	0.10	0.2
Spirotetramat	129	30-170	0.10	0.2
Spiroxamine	97	30-170	0.20	0.4
Tebuconazole	137	30-170	0.20	0.4
Thiacloprid	134	30-170	0.10	0.2
Thiamethoxam	134	30-170	0.10	0.2
Trifloxystrobin	125	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:

31Aug2018

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