

Certificate of Analysis

Testing for Compliance

Sample ID: EFF4840
 Report ID: TR- EFF4840

Report Date: 07/20/2020

Test RFID: 1A401030000F105000004840

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

<p>Date Sampled: 07/15/2020</p> <p>Sampled by: Wendy Wen</p> <p>Sample Name: Alaska Thunder Fuck B (Buds)</p> <p>Sample Type: Usable Marijuana</p> <p>Harvest Time: 10/16/2019</p> <p>Sample Weight: 9.12 g</p>	<p>Description of the sample, sampling condition. Environmental conditions that may impact interpretation of the test result:</p> <p>Sample appeared normal. There were no any environmental conditions that may impact interpretation of the test result.</p>
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Summary of Test Results

Items	Value	Pass/Fail
Total THC:	18.5%	N/A
Total CBD:	1.0%	N/A
Water Activity:	0.459 at 25.7 °C	Pass
Moisture Content:	9.7%	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: 07/18/2020

Batch ID: MC071820

Analyte	Result
Water	9.7%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 07/16/2020

Batch ID: WA071620

Analyte	Result	Temperature
Water Activity	0.459	25.7 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 07/16/2020

Batch ID: PO071620

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	<LOQ	0.1
CBG	< LOQ	0.1
CBDA	1.1	0.1
CBN	0.1	0.1
Delta-9 THC	5.1	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	15.4	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	18.5	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	1.0	N/A
Total Cannabinoids:	21.7	N/A

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Pesticide Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 07/17/2020

Batch ID PE071720

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

Blank: MBLK-PO071620		Date analyzed: 07/16/2020
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- PO071620		Date analyzed: 07/16/2020
Analyte	% Recovery	% Recovery Criteria
THCV	85	70-130
CBD	90	70-130
CBG	109	70-130
CBDA	105	70-130
CBN	106	70-130
Delta-9 THC	96	70-130
Delta-8 THC	96	70-130
CBC	93	70-130
THCA	112	70-130

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE071720		Date analyzed: 07/17/2020	
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-PE071720		Date analyzed: 07/17/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	53	10-190	0.25	0.5
Acephate	74	30-170	0.20	0.4
Acequinocyl	116	10-190	1.00	2.0
Acetamiprid	135	30-170	0.10	0.2
Aldicarb	72	30-170	0.20	0.4
Azoxystrobin	78	30-170	0.10	0.2
Bifenazate	83	10-190	0.10	0.2
Bifenthrin	97	30-170	0.10	0.2
Boscalid	108	30-170	0.20	0.4
Carbaryl	98	30-170	0.10	0.2
Carbofuran	104	30-170	0.10	0.2
Chloranthraniliprole	43	30-170	0.10	0.2
Chlorfenapyr	86	10-190	1.00	1.0
Chlorpyrifos	103	30-170	0.10	0.2
Clofentezine	125	30-170	0.10	0.2
Cyfluthrin	87	30-170	0.50	1.0
Cypermethrin	114	30-170	0.50	1.0
Daminozide	95	30-170	0.50	1.0
DDVP (Dichlorvos)	67	30-170	0.50	1.0
Diazinon	87	30-170	0.10	0.2
Dimethoate	87	30-170	0.10	0.2
Ethoprophos	86	30-170	0.10	0.2
Etofenprox	75	30-170	0.20	0.4
Etoxazole	91	30-170	0.10	0.2
Fenoxycarb	94	30-170	0.10	0.2
Fenpyroximate	79	30-170	0.20	0.4
Fipronil	129	10-190	0.20	0.4
Fonicamid	101	10-190	0.50	1.0
Fludioxonil	92	10-190	0.20	0.4
Hexythiazox	120	30-170	0.50	1.0
Imazalil	97	30-170	0.10	0.2
Imidacloprid	125	30-170	0.20	0.4

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Kresoxim-Methyl	64	30-170	0.20	0.4
Malathion	66	30-170	0.10	0.2
Metalaxyl	106	30-170	0.10	0.2
Methiocarb	92	30-170	0.10	0.2
Methomyl	117	30-170	0.20	0.4
Methyl_Parathion	92	10-190	0.20	0.2
MGK-264	132	10-190	0.10	0.2
Myclobutanil	102	30-170	0.10	0.2
NALED (Dibrom)	64	30-170	0.25	0.5
Oxamyl	121	10-190	0.50	1.0
Paclobutrazol	137	30-170	0.20	0.4
Permethrins	88	30-170	0.10	0.2
Phosmet	114	30-170	0.10	0.2
Piperonyl_Butoxide	82	30-170	1.00	2.0
Prallethrin	108	30-170	0.10	0.2
Propiconazole	123	30-170	0.20	0.4
Propoxur	86	30-170	0.10	0.2
Pyrethrin	125	30-170	0.50	1.0
Pyridaben	124	30-170	0.10	0.2
Spinosad	101	10-190	0.10	0.2
Spiromesifen	76	30-170	0.10	0.2
Spirotetramat	123	30-170	0.10	0.2
Spiroxamine	108	30-170	0.20	0.4
Tebuconazole	126	30-170	0.20	0.4
Thiacloprid	135	30-170	0.10	0.2
Thiamethoxam	102	30-170	0.10	0.2
Trifloxystrobin	64	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:

20JUL2020

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