

Certificate of Analysis

Sample ID: EFF4258
 Report ID: TR-EFF4258

Report Date: 06/29/2020

Test RFID: 1A401030000F105000004258

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

Date Sampled: 06/24/2020
Sampled by: Wendy Wen
Sample Name: Do-Si-Dos x TK91 (Buds)
Sample Type: Usable Marijuana
Harvest Time: 11/19/2019
Sample Weight: 10.68 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:	19.1%	N/A
Total CBD:	1.7%	N/A
Water Activity:	0.481 at 29.7 °C	Pass
Moisture Content:	10.0%	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: 06/25/2020

Batch ID: MC062520

Analyte	Result
Water	10.0%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 06/27/2020

Batch ID: WA062720

Analyte	Result	Temperature
Water Activity	0.481	29.7 °C

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 06/25/2020

Batch ID: PO062520

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	<LOQ	0.1
CBG	< LOQ	0.1
CBDA	1.9	0.1
CBN	<LOQ	0.1
Delta-9 THC	4.0	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	17.3	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	19.1	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	1.7	N/A
Total Cannabinoids:	23.1	N/A

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Pesticide Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 06/26/2020

Batch ID PE062620

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-PO062520		Date analyzed: 06/25/2020
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- PO062520		Date analyzed: 06/25/2020
Analyte	% Recovery	% Recovery Criteria
THCV	89	70-130
CBD	88	70-130
CBG	109	70-130
CBDA	106	70-130
CBN	105	70-130
Delta-9 THC	101	70-130
Delta-8 THC	99	70-130
CBC	83	70-130
THCA	106	70-130

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

Blank: MBLK-PE062620		Date analyzed: 06/26/2020	
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-PE062620		Date analyzed: 06/26/2020		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	83	10-190	0.25	0.5
Acephate	121	30-170	0.20	0.4
Acequinocyl	128	10-190	1.00	2.0
Acetamiprid	122	30-170	0.10	0.2
Aldicarb	103	30-170	0.20	0.4
Azoxystrobin	102	30-170	0.10	0.2
Bifenazate	91	10-190	0.10	0.2
Bifenthrin	81	30-170	0.10	0.2
Boscalid	106	30-170	0.20	0.4
Carbaryl	88	30-170	0.10	0.2
Carbofuran	90	30-170	0.10	0.2
Chloranthraniliprole	113	30-170	0.10	0.2
Chlorfenapyr	73	10-190	1.00	1.0
Chlorpyrifos	85	30-170	0.10	0.2
Clofentezine	84	30-170	0.10	0.2
Cyfluthrin	97	30-170	0.50	1.0
Cypermethrin	115	30-170	0.50	1.0
Daminozide	137	30-170	0.50	1.0
DDVP (Dichlorvos)	115	30-170	0.50	1.0
Diazinon	85	30-170	0.10	0.2
Dimethoate	94	30-170	0.10	0.2
Ethoprophos	127	30-170	0.10	0.2
Etofenprox	88	30-170	0.20	0.4
Etoxazole	90	30-170	0.10	0.2
Fenoxycarb	96	30-170	0.10	0.2
Fenpyroximate	72	30-170	0.20	0.4
Fipronil	113	10-190	0.20	0.4
Fonicamid	93	10-190	0.50	1.0
Fludioxonil	87	10-190	0.20	0.4
Hexythiazox	112	30-170	0.50	1.0
Imazalil	83	30-170	0.10	0.2
Imidacloprid	110	30-170	0.20	0.4

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Kresoxim-Methyl	82	30-170	0.20	0.4
Malathion	85	30-170	0.10	0.2
Metalaxyl	95	30-170	0.10	0.2
Methiocarb	85	30-170	0.10	0.2
Methomyl	113	30-170	0.20	0.4
Methyl_Parathion	85	10-190	0.20	0.2
MGK-264	110	10-190	0.10	0.2
Myclobutanil	134	30-170	0.10	0.2
NALED (Dibrom)	84	30-170	0.25	0.5
Oxamyl	60	10-190	0.50	1.0
Paclobutrazol	129	30-170	0.20	0.4
Permethrins	103	30-170	0.10	0.2
Phosmet	80	30-170	0.10	0.2
Piperonyl_Butoxide	98	30-170	1.00	2.0
Prallethrin	86	30-170	0.10	0.2
Propiconazole	90	30-170	0.20	0.4
Propoxur	99	30-170	0.10	0.2
Pyrethrin	122	30-170	0.50	1.0
Pyridaben	91	30-170	0.10	0.2
Spinosad	137	10-190	0.10	0.2
Spiromesifen	74	30-170	0.10	0.2
Spirotetramat	117	30-170	0.10	0.2
Spiroxamine	100	30-170	0.20	0.4
Tebuconazole	105	30-170	0.20	0.4
Thiacloprid	127	30-170	0.10	0.2
Thiamethoxam	75	30-170	0.10	0.2
Trifloxystrobin	91	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:

29JUN2020

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