

Certificate of Analysis

Testing for Compliance

Sample ID: EFF3953
 Report ID: TR-EFF3953

Report Date: 03/29/2020

Test RFID: 1A401030000F105000003953

Client Name:
 Epic Family Farms

License No:
 020-10041847FC2

| | |
|--|---|
| <p>Date Sampled: 03/25/2020</p> <p>Sampled by: Yujing Wen</p> <p>Sample Name: Tangie (Buds)</p> <p>Sample Type: Usable marijuana</p> <p>Harvest Time: 10/12/2019</p> <p>Sample Weight: 20.74 g</p> | <p>Description of the sample, sampling condition. Environmental conditions that may impact interpretation of the test result:</p> <p>Dry usable marijuana. Sample appeared normal. There were no any environmental conditions that may impact interpretation of the test result.</p> |
|--|---|

Summary of Test Results

| Items | Value | Pass/Fail |
|--------------------------|------------------|-----------|
| Total THC: | 21.6% | N/A |
| Total CBD: | < LOQ | N/A |
| Water Activity: | 0.490 at 18.1 °C | Pass |
| Moisture Content: | 10.9% | Pass |
| Pesticides: | < LOQ | Pass |
| Total Terpene: | 1.36% | N/A |

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: 03/28/2020

Batch ID: MC032820

| Analyte | Result |
|---------|--------|
| Water | 10.9% |

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 03/26/2020

Batch ID: WA032620

| Analyte | Result | Temperature |
|----------------|--------|-------------|
| Water Activity | 0.490 | 18.1 °C |

Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 03/26/2020

Batch ID: PO032620

| Analyte | Result, % | LOQ, % |
|--|-----------|--------|
| THCV | < LOQ | 0.1 |
| CBD | < LOQ | 0.1 |
| CBG | < LOQ | 0.1 |
| CBDA | < LOQ | 0.1 |
| CBN | 0.2 | 0.1 |
| Delta-9 THC | 0.9 | 0.1 |
| Delta-8 THC | < LOQ | 0.1 |
| CBC | < LOQ | 0.1 |
| THCA | 23.6 | 0.1 |
| Total THC: $\Delta 9 + 0.877 \times \text{THCA}$ | 21.6 | N/A |
| Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$ | < LOQ | N/A |
| Total Cannabinoids: | 24.7 | N/A |

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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 Analyzed by: Yujing Wen Analyzed date: 03/27/2020

Batch ID: PE032720

| 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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Test RFID: 1A401030000F105000003953

| | | | |
|--------------------|-------|------|-----|
| 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: 03/26/2020

| Analyte | Result, % | LOQ, % |
|-----------------------|-----------|--------|
| Monoterpenes | | |
| Alpha-Pinene | < LOQ | 0.01 |
| Camphene | < LOQ | 0.01 |
| Beta-Myrcene | 0.06 | 0.01 |
| Beta-Pinene | 0.02 | 0.01 |
| 3-Carene | < LOQ | 0.01 |
| alpha-Terpinene | < LOQ | 0.01 |
| D-Limonene | 0.20 | 0.01 |
| P-Cymene | < LOQ | 0.01 |
| Ocimene | 0.17 | 0.01 |
| gamma-Terpinene | < LOQ | 0.01 |
| Terpinolene | < LOQ | 0.01 |
| Linalool | 0.34 | 0.01 |
| Isopulegol | < LOQ | 0.01 |
| Geraniol | < LOQ | 0.01 |
| Sesquiterpenes | | |
| Beta-Caryophyllene | 0.22 | 0.01 |
| alpha-Humulene | 0.10 | 0.01 |
| Nerolidol | 0.04 | 0.01 |
| Guaiol | < LOQ | 0.01 |
| alpha-Bisabolol | 0.21 | 0.01 |
| Total Terpenes | 1.36 | N/A |

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Quality Control Results

Potency Analysis

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

| Blank: MBLK-PO032620 | | Date analyzed: 03/26/2020 |
|----------------------|-----------|---------------------------|
| 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- PO032620 | | Date analyzed: 03/26/2020 |
|--------------------|------------|---------------------------|
| Analyte | % Recovery | % Recovery Criteria |
| THCV | 115 | 70-130 |
| CBD | 105 | 70-130 |
| CBG | 100 | 70-130 |
| CBDA | 104 | 70-130 |
| CBN | 100 | 70-130 |
| Delta-9 THC | 101 | 70-130 |
| Delta-8 THC | 109 | 70-130 |
| CBC | 102 | 70-130 |
| THCA | 104 | 70-130 |

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Quality Control Results

Pesticide Analysis (Unit: ppm)

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

| Blank: MBLK-PE032720 | | Date analyzed: 03/27/2020 | |
|----------------------|--------|---------------------------|--------------------|
| 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-PE032720 | | Date analyzed: 03/27/2020 | | |
|----------------------|------------|---------------------------|------|--------------------|
| Analyte | % Recovery | % Recovery Criteria | LOQ | State Action Level |
| Abamectin | 94 | 10-190 | 0.25 | 0.5 |
| Acephate | 108 | 30-170 | 0.20 | 0.4 |
| Acequinocyl | 123 | 10-190 | 1.00 | 2.0 |
| Acetamiprid | 140 | 30-170 | 0.10 | 0.2 |
| Aldicarb | 113 | 30-170 | 0.20 | 0.4 |
| Azoxystrobin | 79 | 30-170 | 0.10 | 0.2 |
| Bifenazate | 56 | 10-190 | 0.10 | 0.2 |
| Bifenthrin | 145 | 30-170 | 0.10 | 0.2 |
| Boscalid | 94 | 30-170 | 0.20 | 0.4 |
| Carbaryl | 103 | 30-170 | 0.10 | 0.2 |
| Carbofuran | 135 | 30-170 | 0.10 | 0.2 |
| Chloranthraniliprole | 130 | 30-170 | 0.10 | 0.2 |
| Chlorfenapyr | 38 | 10-190 | 1.00 | 1.0 |
| Chlorpyrifos | 86 | 30-170 | 0.10 | 0.2 |
| Clofentezine | 81 | 30-170 | 0.10 | 0.2 |
| Cyfluthrin | 53 | 30-170 | 0.50 | 1.0 |
| Cypermethrin | 56 | 30-170 | 0.50 | 1.0 |
| Daminozide | 109 | 30-170 | 0.50 | 1.0 |
| DDVP (Dichlorvos) | 40 | 30-170 | 0.50 | 1.0 |
| Diazinon | 113 | 30-170 | 0.10 | 0.2 |
| Dimethoate | 114 | 30-170 | 0.10 | 0.2 |
| Ethoprophos | 129 | 30-170 | 0.10 | 0.2 |
| Etofenprox | 95 | 30-170 | 0.20 | 0.4 |
| Etoxazole | 59 | 30-170 | 0.10 | 0.2 |
| Fenoxycarb | 63 | 30-170 | 0.10 | 0.2 |
| Fenpyroximate | 142 | 30-170 | 0.20 | 0.4 |
| Fipronil | 96 | 10-190 | 0.20 | 0.4 |
| Flonicamid | 53 | 10-190 | 0.50 | 1.0 |
| Fludioxonil | 73 | 10-190 | 0.20 | 0.4 |
| Hexythiazox | 71 | 30-170 | 0.50 | 1.0 |
| Imazalil | 118 | 30-170 | 0.10 | 0.2 |
| Imidacloprid | 132 | 30-170 | 0.20 | 0.4 |

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| | | | | |
|--------------------|-----|--------|------|-----|
| Kresoxim-Methyl | 47 | 30-170 | 0.20 | 0.4 |
| Malathion | 96 | 30-170 | 0.10 | 0.2 |
| Metalaxyl | 86 | 30-170 | 0.10 | 0.2 |
| Methiocarb | 121 | 30-170 | 0.10 | 0.2 |
| Methomyl | 104 | 30-170 | 0.20 | 0.4 |
| Methyl_Parathion | 107 | 10-190 | 0.20 | 0.2 |
| MGK-264 | 102 | 10-190 | 0.10 | 0.2 |
| Myclobutanil | 147 | 30-170 | 0.10 | 0.2 |
| NALED (Dibrom) | 52 | 30-170 | 0.25 | 0.5 |
| Oxamyl | 130 | 10-190 | 0.50 | 1.0 |
| Paclobutrazol | 59 | 30-170 | 0.20 | 0.4 |
| Permethrins | 122 | 30-170 | 0.10 | 0.2 |
| Phosmet | 38 | 30-170 | 0.10 | 0.2 |
| Piperonyl_Butoxide | 76 | 30-170 | 1.00 | 2.0 |
| Prallethrin | 63 | 30-170 | 0.10 | 0.2 |
| Propiconazole | 66 | 30-170 | 0.20 | 0.4 |
| Propoxur | 90 | 30-170 | 0.10 | 0.2 |
| Pyrethrin | 61 | 30-170 | 0.50 | 1.0 |
| Pyridaben | 51 | 30-170 | 0.10 | 0.2 |
| Spinosad | 53 | 10-190 | 0.10 | 0.2 |
| Spiromesifen | 88 | 30-170 | 0.10 | 0.2 |
| Spirotetramat | 83 | 30-170 | 0.10 | 0.2 |
| Spiroxamine | 127 | 30-170 | 0.20 | 0.4 |
| Tebuconazole | 60 | 30-170 | 0.20 | 0.4 |
| Thiacloprid | 108 | 30-170 | 0.10 | 0.2 |
| Thiamethoxam | 113 | 30-170 | 0.10 | 0.2 |
| Trifloxystrobin | 104 | 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 |
|--|---|

Comments: "N/A" if there is no comment made
N/A

Shuguo Ma, Ph.D, Quality Manager

Signature: 

Date: 29Mar2020

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