



Steep Hill Arkansas



Accreditation # 97338

11711 HERMITAGE ROAD, SUITE #5, LITTLE ROCK, AR 72211 LICENSE #: BL157155

CERTIFICATE OF ANALYSIS

Sample Name: 3000mg Broad Orange
 Steep Hill ID: AR80333
 Batch ID: 33
 State ID:
 Sample Type: Tincture
 Date Received: 1/20/2020
 Date Reported: 2/6/2020
 Pkg. Volume: 60 mL
 # of Servings: 60
 Density: 0.959 g/mL

Customer: EVO3 OFI LLC
 8000 McBeth Way – STE 100
 The Woodlands, TX 77382

OVERALL BATCH SUMMARY: **PASS**

| Cannabinoids | Residual Pesticides | Microbial Impurities | Heavy Metals | Residual Solvents | Moisture | Water Activity |
|--------------|---------------------|----------------------|--------------|-------------------|----------|----------------|
| N/A | Pass | Pass | Pass | Pass | NT | NT |



Total THC
 Not Detected
 Not Detected
 Not Detected
 Not Detected

Total CBD
 5.31 %
 53.1 mg/g
 3057 mg/pkg
 51.0 mg/serv

Total Cannabinoids
 5.31 %
 53.1 mg/g
 3057 mg/pkg
 51.0 mg/serv

Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 2/6/2020

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Cannabinoid Results

1/23/2020

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

| Analyte | % | mg/g | mg/pkg | mg/serv | LOD mg/g | LOQ mg/g |
|-------------|------|------|--------|---------|----------|----------|
| CBC | NT | NT | NT | NT | NT | NT |
| CBD | 5.31 | 53.1 | 3057 | 51.0 | 0.0180 | 0.0600 |
| CBDA | ND | ND | ND | ND | 0.0491 | 0.164 |
| CBDV | NT | NT | NT | NT | NT | NT |
| CBG | NT | NT | NT | NT | NT | NT |
| CBGA | NT | NT | NT | NT | NT | NT |
| CBN | NT | NT | NT | NT | NT | NT |
| THC | ND | ND | ND | ND | 0.0260 | 0.0867 |
| delta-8-THC | NT | NT | NT | NT | NT | NT |
| THCA | ND | ND | ND | ND | 0.0368 | 0.123 |
| THCV | NT | NT | NT | NT | NT | NT |
| Total | 5.31 | 53.1 | 3057 | 51.0 | | |

Terpenoid Results

NT

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR)

| Analyte | % | mg/g | mg/mL | LOD mg/g | LOQ mg/g | Analyte | % | mg/g | mg/mL | LOD mg/g | LOQ mg/g |
|---------------------|----|------|-------|----------|----------|--------------------|----|------|-------|----------|----------|
| alpha-Bisabolol | NT | NT | NT | NT | NT | Linalool | NT | NT | NT | NT | NT |
| endo-Borneol | NT | NT | NT | NT | NT | Menthol | NT | NT | NT | NT | NT |
| Camphene | NT | NT | NT | NT | NT | β-Myrcene | NT | NT | NT | NT | NT |
| Camphor | NT | NT | NT | NT | NT | Nerol | NT | NT | NT | NT | NT |
| 3-Carene | NT | NT | NT | NT | NT | cis-Nerolidol | NT | NT | NT | NT | NT |
| Caryophyllene Oxide | NT | NT | NT | NT | NT | trans-Nerolidol | NT | NT | NT | NT | NT |
| β-Caryophyllene | NT | NT | NT | NT | NT | cis-beta-Ocimene | NT | NT | NT | NT | NT |
| alpha-Cedrene | NT | NT | NT | NT | NT | trans-beta-Ocimene | NT | NT | NT | NT | NT |
| Cedrol | NT | NT | NT | NT | NT | alpha-Phellandrene | NT | NT | NT | NT | NT |
| Eucalyptol | NT | NT | NT | NT | NT | α-Pinene | NT | NT | NT | NT | NT |
| beta-Farnesene | NT | NT | NT | NT | NT | β-Pinene | NT | NT | NT | NT | NT |
| Fenchol | NT | NT | NT | NT | NT | Pulegone | NT | NT | NT | NT | NT |
| Fenchone | NT | NT | NT | NT | NT | Sabinene | NT | NT | NT | NT | NT |
| Geraniol | NT | NT | NT | NT | NT | Sabinene Hydrate | NT | NT | NT | NT | NT |
| Geranyl Acetate | NT | NT | NT | NT | NT | alpha-Terpinene | NT | NT | NT | NT | NT |
| Guaiol | NT | NT | NT | NT | NT | gamma-Terpinene | NT | NT | NT | NT | NT |
| α-Humulene | NT | NT | NT | NT | NT | Terpineol | NT | NT | NT | NT | NT |
| Isoborneol | NT | NT | NT | NT | NT | Terpinolene | NT | NT | NT | NT | NT |
| Isopulegol | NT | NT | NT | NT | NT | Valencene | NT | NT | NT | NT | NT |
| Limonene | NT | NT | NT | NT | NT | Total | NT | NT | NT | NT | NT |

Moisture Results

NT

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-AR)

| Analyte | % |
|----------|----|
| Moisture | NT |

Water Activity Results

NT

Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - Limit units: Aw

| Analyte | Pass/Fail | Aw | Limit |
|----------------|-----------|----|-------|
| Water Activity | | NT | NT |

LOD: Limit of Detection
 LOQ: Limit of Quantitation
 NT: Not Tested
 ND: Not Detected

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CERTIFICATE OF ANALYSIS

Residual Pesticides Results

Pass**1/31/2020**Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS); SOP-070-AR + SOP-073-AR) - **Limit units: ug/g = ppm**

| Analyte | Pass/Fail | µg/g | Limit | LOD µg/g | LOQ µg/g | Analyte | Pass/Fail | µg/g | Limit | LOD µg/g | LOQ µg/g |
|---------------------|-----------|------|-------|----------|----------|--------------------|-----------|-------|-------|----------|----------|
| Abamectin | Pass | ND | 0.5 | 0.162 | 0.540 | Imazail | Pass | 0.103 | 0.2 | 0.0208 | 0.0694 |
| Acephate | Pass | ND | 0.4 | 0.0126 | 0.0420 | Imidacloprid | Pass | ND | 0.4 | 0.00981 | 0.0327 |
| Acequinocyl | Pass | ND | 2 | 0.180 | 0.602 | Kresoxim-methyl | Pass | ND | 0.4 | 0.00869 | 0.0290 |
| Acetamiprid | Pass | ND | 0.2 | 0.0127 | 0.0424 | Malathion | Pass | ND | 0.2 | 0.00604 | 0.0201 |
| Aldicarb | Pass | ND | 0.4 | 0.0811 | 0.270 | Metalaxyl | Pass | ND | 0.2 | 0.00891 | 0.0297 |
| Azoxystrobin | Pass | ND | 0.2 | 0.0115 | 0.0382 | Methiocarb | Pass | ND | 0.2 | 0.00857 | 0.0286 |
| Bifenazate | Pass | ND | 0.2 | 0.00798 | 0.0266 | Methomyl | Pass | ND | 0.4 | 0.0128 | 0.0428 |
| Bifenthrin | Pass | ND | 0.2 | 0.0643 | 0.214 | Methyl Parathion | Pass | ND | 0.2 | 0.0143 | 0.0419 |
| Boscalid | Pass | ND | 0.4 | 0.0204 | 0.0680 | MGK-264 | Pass | ND | 0.2 | 0.00191 | 0.00476 |
| Carbaryl | Pass | ND | 0.2 | 0.00763 | 0.0254 | Myclobutanil | Pass | ND | 0.2 | 0.0108 | 0.0359 |
| Carbofuran | Pass | ND | 0.2 | 0.00897 | 0.0299 | Naled | Pass | ND | 0.5 | 0.0192 | 0.0640 |
| Chlorantraniliprole | Pass | ND | 0.2 | 0.0140 | 0.0466 | Oxamyl | Pass | ND | 1 | 0.0181 | 0.0604 |
| Chlorfenapyr | Pass | ND | 1 | 0.0143 | 0.0419 | Paclobutrazol | Pass | ND | 0.4 | 0.0152 | 0.0508 |
| Chlorpyrifos | Pass | ND | 0.2 | 0.0130 | 0.0433 | Permethrins | Pass | ND | 0.2 | 0.0133 | 0.0391 |
| Clofentezine | Pass | ND | 0.2 | 0.0179 | 0.0597 | Phosmet | Pass | ND | 0.2 | 0.0135 | 0.0449 |
| Cyfluthrin | Pass | ND | 1 | 0.0219 | 0.0638 | Piperonyl Butoxide | Pass | ND | 2 | 0.00882 | 0.0294 |
| Cypermethrin | Pass | ND | 1 | 0.0219 | 0.0657 | Prallethrin | Pass | ND | 0.2 | 0.0292 | 0.0973 |
| Daminozide | Pass | ND | 1 | 0.0262 | 0.0872 | Propiconazole | Pass | ND | 0.4 | 0.00628 | 0.0209 |
| Diazinon | Pass | ND | 0.1 | 0.00927 | 0.0309 | Propoxur | Pass | ND | 0.2 | 0.00689 | 0.0230 |
| DDVP (Dichlorvos) | Pass | ND | 0.2 | 0.0122 | 0.0407 | Pyrethrins | Pass | ND | 1 | 0.00973 | 0.0324 |
| Dimethoate | Pass | ND | 0.2 | 0.0128 | 0.0427 | Pyridaben | Pass | ND | 0.2 | 0.0147 | 0.0489 |
| Ethoprophos | Pass | ND | 0.2 | 0.0124 | 0.0415 | Spinosad | Pass | ND | 0.2 | 0.0166 | 0.0554 |
| Etofenprox | Pass | ND | 0.4 | 0.0176 | 0.0587 | Spiromesifen | Pass | ND | 0.2 | 0.0144 | 0.0481 |
| Etoxazole | Pass | ND | 0.2 | 0.0142 | 0.0473 | Spirotetramat | Pass | ND | 0.2 | 0.00702 | 0.0234 |
| Fenoxycarb | Pass | ND | 0.2 | 0.0113 | 0.0376 | Spiroxamine | Pass | ND | 0.4 | 0.0214 | 0.0714 |
| Fenpyroximate | Pass | ND | 0.4 | 0.00911 | 0.0303 | Tebuconazole | Pass | ND | 0.4 | 0.00637 | 0.0212 |
| Fipronil | Pass | ND | 0.4 | 0.0177 | 0.0589 | Thiacloprid | Pass | ND | 0.2 | 0.00748 | 0.0249 |
| Flonicamid | Pass | ND | 1 | 0.0225 | 0.0751 | Thiamethoxam | Pass | ND | 0.2 | 0.00749 | 0.0250 |
| Fludioxonil | Pass | ND | 0.4 | 0.0214 | 0.0712 | Trifloxystrobin | Pass | ND | 0.2 | 0.00921 | 0.0307 |
| Hexythiazox | Pass | ND | 1 | 0.00938 | 0.0313 | | | | | | |

Heavy Metals Results

Pass**1/30/2020**Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-AR) - **Limit units: µg/kg**

| Analyte | Pass/Fail | µg/kg | Limit | LOD µg/kg | LOQ µg/kg |
|---------|-----------|-------|-------|-----------|-----------|
| Arsenic | Pass | ND | 200 | 1.67 | 5.58 |
| Cadmium | Pass | ND | 200 | 0.547 | 1.82 |
| Lead | Pass | ND | 500 | 1.45 | 4.84 |
| Mercury | Pass | < LOQ | 100 | 0.896 | 2.99 |

Microbial Impurities Results

Pass**1/30/2020**Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - **Limit units: CFU/g**

| Analyte | Pass/Fail | Result | Limit | LOQ |
|-----------------|-----------|--------|-------|------------------------|
| Coliform | Pass | ND | | Not Detected in 1 gram |
| General E. coli | NT | NT | NT | NT |
| Salmonella | | NT | NT | NT |

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Residual Solvents Results**Pass****2/6/2020**Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-AR) - **Limit units: µg/g**

| Analyte | Pass/Fail | µg/g | Limit | LOD µg/g | LOQ µg/g | Analyte | Pass/Fail | µg/g | Limit | LOD µg/g | LOQ µg/g |
|---------------------|-----------|------|-------|----------|----------|-----------------------|-----------|------|-------|----------|----------|
| 1-Butanol | Pass | ND | 5000 | 13.7 | 45.6 | Dimethyl Sulfoxide | Pass | ND | 5000 | 11.8 | 39.5 |
| 1-Pentanol | Pass | ND | 5000 | 22.8 | 76.0 | Ethanol | Pass | ND | 5000 | 16.6 | 55.2 |
| 1-Propanol | Pass | ND | 5000 | 34.1 | 114 | Ethyl Acetate | Pass | ND | 5000 | 5.96 | 19.9 |
| 1,2-Dimethoxyethane | Pass | ND | 100 | 18.3 | 60.9 | Ethyl Ether | Pass | ND | 5000 | 2.09 | 6.97 |
| 1,4-Dioxane | Pass | ND | 380 | 17.8 | 59.2 | Ethylene Glycol | Pass | ND | 620 | 1.96 | 6.52 |
| 2-Butanol | Pass | ND | 5000 | 17.3 | 57.7 | Ethylene Oxide | Pass | ND | 50 | 1.38 | 4.59 |
| 2-Butanone | Pass | ND | 5000 | 9.58 | 31.9 | Heptane | Pass | ND | 5000 | 7.56 | 25.2 |
| 2-Ethoxyethanol | Pass | ND | 160 | 12.8 | 42.6 | n-Hexane | Pass | ND | 290 | 2.18 | 7.26 |
| 2-Methylbutane | Pass | ND | 5000 | 1.64 | 5.48 | Isopropyl Acetate | Pass | ND | 5000 | 10.4 | 34.5 |
| 2-Methylpentane | Pass | ND | 290 | 1.95 | 6.51 | Methanol | Pass | ND | 3000 | 7.43 | 24.8 |
| 2-Propanol (IPA) | Pass | ND | 5000 | 24.3 | 78.7 | Methylpropane | Pass | ND | 5000 | 1.98 | 6.59 |
| 2,2-Dimethylbutane | Pass | ND | 290 | 3.66 | 12.2 | N,N-Dimethylacetamide | Pass | ND | 1090 | 13.9 | 46.2 |
| 2,3-Dimethylbutane | Pass | ND | 290 | 1.59 | 5.30 | N,N-Dimethylformamide | Pass | ND | 880 | 18.8 | 62.6 |
| 3-Methylpentane | Pass | ND | 290 | 2.02 | 6.74 | Pentane | Pass | ND | 5000 | 1.74 | 5.79 |
| Acetone | Pass | ND | 5000 | 38.3 | 128 | Propane | Pass | ND | 5000 | 1.97 | 6.55 |
| Acetonitrile | Pass | ND | 410 | 15.5 | 46.6 | Pyridine | Pass | ND | 200 | 11.4 | 38.2 |
| Benzene | Pass | ND | 2 | 0.349 | 1.16 | Sulfolane | Pass | ND | 160 | 6.91 | 23.0 |
| Butane | Pass | ND | 5000 | 1.57 | 5.23 | Tetrahydrofuran | Pass | ND | 720 | 8.08 | 26.9 |
| Cumene | Pass | ND | 70 | 6.80 | 22.7 | Toluene | Pass | ND | 890 | 18.0 | 60.1 |
| Cyclohexane | Pass | ND | 3880 | 4.16 | 13.9 | Xylenes | Pass | ND | 2170 | 24.9 | 82.9 |
| Dichloromethane | Pass | ND | 600 | 1.75 | 5.85 | | | | | | |

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