

Date Released: 4/12/2023 2:33:32PM

Report #: 1176

Orchard Sunrise 1:1 Line Test #1

Sample #: 706, Weight: 40.00g, Unit Count:

Order #: X230328-0002

Category/Type: Ingestible, Soft Chew

Date Collected: 3/28/2023 10:31:19AM

Date Received: 3/29/2023 9:45:04AM

Date Analyzed: 4/5/2023 10:25:07AM

Regulator Sample ID: 032124 G0073

Regulator Source Package ID: 032124 G0073

Regulator Batch ID: 032124 G0073



Total Cannabinoids
10.26 mg/svg
2.2 mg/g



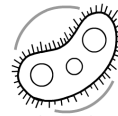
Total THC
5.83 mg/svg
1.3 mg/g



Total CBD
0.10 mg/svg
ND mg/g



Heavy Metals
PASS



Microbials
PASS



Residual Solvents
PASS



Pesticides
PASS



Mycotoxins
PASS



Water Activity
PASS

Potency Analysis by HPLC

Total Cannabinoids: **10.26 mg/svg - 2.2 mg/g**

Total THC: **5.83 mg/svg - 1.3 mg/g**

Total CBD: **0.10 mg/svg - ND mg/g**

Date Completed: 04/03/2023 11:45AM

| Compound | CAS# | LOQ (mg/svg) | mg/svg | mg/g | Relative Concentration |
|----------|------------|--------------|--------|------|---|
| d9-THC | 1972-08-3 | 0.1 | 5.83 | 1.3 | <div style="width: 100%; height: 10px; background-color: green;"></div> |
| CBG | 25654-31-3 | 0.1 | 4.32 | 0.9 | <div style="width: 85%; height: 10px; background-color: green;"></div> |
| CBDa | 1244-58-2 | 0.1 | 0.11 | ND | <div style="width: 2%; height: 10px; background-color: green;"></div> |
| THCa | 23978-85-0 | 0.1 | ND | ND | |
| d8-THC | 5957-75-5 | 0.1 | ND | ND | |
| d10-THC | 95543-62-7 | 0.1 | ND | ND | |
| THCV | 31262-37-0 | 0.1 | ND | ND | |
| CBD | 13956-29-1 | 0.1 | ND | ND | |
| CBDV | 24274-48-4 | 0.1 | ND | ND | |
| CBC | 20675-51-8 | 0.1 | ND | ND | |
| CBGa | 25555-57-1 | 0.1 | ND | ND | |
| CBN | 521-35-7 | 0.1 | ND | ND | |

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Total CBD = CBD + (0.877*CBDa)

Total THC = d9-THC + d8-THC + d10-THC + (0.877*THCa) d8-THC is an abbreviation for delta-8 tetrahydrocannabinol.

d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York

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License #: OCM-CPL-2022-00007

Kelly N. Greenland

Dr. Kelly Greenland, Lab Director

4/12/2023 2:37:31PM



Sample #: 706

Orchard Sunrise 1:1 Line Test #1

Water Activity by Meter

Pass

Date Completed: 04/03/2023 11:14 am

| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05 | 0.85 | 0.66 | Pass |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Pesticides by LCMSMS

Pass

Date Completed: 04/05/2023 10:25 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| Abamectin | 0.01 | 0.5 | ND | Pass |
| Acephate | 0.01 | 0.4 | ND | Pass |
| Acequinocyl | 0.01 | 2 | ND | Pass |
| Acetamiprid | 0.01 | 0.2 | ND | Pass |
| Aldicarb | 0.01 | 0.4 | ND | Pass |
| Azadirachtin | 0.01 | 1 | ND | Pass |
| Azoxystrobin | 0.01 | 0.2 | ND | Pass |
| Bifenazate | 0.01 | 0.2 | ND | Pass |
| Bifenthrin | 0.01 | 0.2 | ND | Pass |
| Boscalid | 0.01 | 0.4 | ND | Pass |
| Carbaryl | 0.01 | 0.2 | ND | Pass |
| Carbofuran | 0.01 | 0.2 | ND | Pass |
| Chlorantraniliprole | 0.01 | 0.2 | ND | Pass |
| Chloromequat Chloride | 0.01 | 1 | ND | Pass |
| Chlorpyrifos | 0.01 | 0.2 | ND | Pass |
| Clofentezine | 0.01 | 0.2 | ND | Pass |
| Coumaphos | 0.01 | 1 | ND | Pass |
| Cyfluthrin | 0.01 | 1 | ND | Pass |
| Cypermethrin | 0.01 | 1 | ND | Pass |
| Daminozide | 0.01 | 1 | ND | Pass |

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Pesticides by LCMSMS

Pass

Date Completed: 04/05/2023 10:25 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Diazinon | 0.01 | 0.2 | ND | Pass |
| Dichlorvos | 0.01 | 1 | ND | Pass |
| Dimethoate | 0.01 | 0.2 | ND | Pass |
| Dimethomorph | 0.01 | 1 | ND | Pass |
| Ethoprophos | 0.01 | 0.2 | ND | Pass |
| Etofenprox | 0.01 | 0.4 | ND | Pass |
| Etoxazole | 0.01 | 0.2 | ND | Pass |
| Fenhexamid | 0.01 | 1 | ND | Pass |
| Fenoxycarb | 0.01 | 0.2 | ND | Pass |
| Fenpyroximate | 0.01 | 0.4 | ND | Pass |
| Fipronil | 0.01 | 0.4 | ND | Pass |
| Fonicamid | 0.01 | 1 | ND | Pass |
| Fludioxonil | 0.01 | 0.4 | ND | Pass |
| Hexythiazox | 0.01 | 1 | ND | Pass |
| Imazalil | 0.01 | 0.2 | ND | Pass |
| Imidacloprid | 0.01 | 0.4 | ND | Pass |
| Indolebutyric Acid | 0.01 | 1 | ND | Pass |
| Kresoxim-methyl | 0.01 | 0.4 | ND | Pass |
| Malathion | 0.01 | 0.2 | ND | Pass |
| Metalaxyl | 0.01 | 0.2 | ND | Pass |
| Methiocarb | 0.01 | 0.2 | ND | Pass |
| Mevinphos | 0.01 | 1 | ND | Pass |
| Myclobutanil | 0.01 | 0.2 | ND | Pass |
| Naled | 0.01 | 0.5 | ND | Pass |
| Oxamyl | 0.01 | 1 | ND | Pass |
| Paclobutrazol | 0.01 | 0.4 | ND | Pass |

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Pesticides by LCMSMS

Pass

Date Completed: 04/05/2023 10:25 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Permethrin | 0.01 | 0.2 | ND | Pass |
| Phosmet | 0.01 | 0.2 | ND | Pass |
| Piperonyl Butoxide | 0.01 | 2 | ND | Pass |
| Prallethrin | 0.01 | 0.2 | ND | Pass |
| Propiconazole | 0.01 | 0.4 | ND | Pass |
| Propoxur | 0.01 | 0.2 | ND | Pass |
| Pyrethrins Total | 0.01 | 1 | ND | Pass |
| Pyridaben | 0.01 | 0.2 | ND | Pass |
| Spinetoram | 0.01 | 1 | ND | Pass |
| Spinosad Total | 0.01 | .2 | ND | Pass |
| Spiromesifen | 0.01 | 0.2 | ND | Pass |
| Spirotetramat | 0.01 | 0.2 | ND | Pass |
| Spiroxamine | 0.01 | 0.2 | ND | Pass |
| Tebuconazole | 0.01 | 0.4 | ND | Pass |
| Thiacloprid | 0.01 | 0.2 | ND | Pass |
| Thiamethoxam | 0.01 | 0.2 | ND | Pass |
| Trifloxystrobin | 0.01 | 0.2 | ND | Pass |

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Residual Solvents by HS-GC-MS

Pass

Date Completed: 04/03/2023 11:31 am

| Compound | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|-----------------|-----------|--------------|--------------|--------|
| 1,4-Dioxane | 50 | 380 | ND | Pass |
| 2-Butanol | 50 | 5000 | ND | Pass |
| 2-Ethoxyethanol | 50 | 160 | ND | Pass |
| 3-Methylpentane | 10 | | ND | Pass |
| Acetone | 50 | 5000 | ND | Pass |

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Sample #: 706

Orchard Sunrise 1:1 Line Test #1

Residual Solvents by HS-GC-MS

Pass

Date Completed: 04/03/2023 11:31 am

| Compound | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|--------------------|-----------|--------------|--------------|--------|
| Acetonitrile | 50 | 410 | ND | Pass |
| Benzene | 0.5 | 2 | ND | Pass |
| Butanes ppm | 25 | 5000 | ND | Pass |
| Cumene | 50 | 70 | ND | Pass |
| Cyclohexane | 50 | 3880 | ND | Pass |
| Ethanol | 50 | 5000 | 220 | Pass |
| Ethyl acetate | 50 | 5000 | ND | Pass |
| Ethyl ether | 50 | 5000 | ND | Pass |
| Ethylbenzene | 12.5 | | ND | Pass |
| Ethylene glycol | 50 | 620 | ND | Pass |
| Ethylene oxide | 50 | 50 | ND | Pass |
| Heptane | 50 | 5000 | ND | Pass |
| Hexane | 10 | | ND | Pass |
| Isopropanol | 50 | 5000 | ND | Pass |
| Isopropyl acetate | 50 | 5000 | ND | Pass |
| Methanol | 50 | 3000 | ND | Pass |
| Methylene chloride | 50 | 600 | ND | Pass |
| Pentanes Total | 16.7 | 5000 | ND | Pass |
| Propane | 50 | 5000 | ND | Pass |
| Tetrahydrofuran | 50 | 720 | ND | Pass |
| Toluene | 50 | 890 | ND | Pass |
| Total xylenes | 25 | 2170 | ND | Pass |

Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed.

Mycotoxins by LCMSMS

Pass

Date Completed: 04/05/2023 10:25 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
|----------|------------|---------------|---------------|--------|

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Mycotoxins by LCMSMS

Pass

Date Completed: 04/05/2023 10:25 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Aflatoxin B1 | 0.005 | 0.020 | ND | Pass |
| Aflatoxin B2 | 0.005 | 0.020 | ND | Pass |
| Aflatoxin G1 | 0.005 | 0.020 | ND | Pass |
| Aflatoxin G2 | 0.005 | 0.020 | ND | Pass |
| Ochratoxin A | 0.005 | 0.020 | ND | Pass |
| Total Aflatoxin | 0.005 | 0.020 | ND | Pass |

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

Heavy Metals by ICPMS

Pass

Date Completed: 03/30/2023 1:14 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | | 120 | 0.0 | Pass |
| Arsenic | | 1.5 | 0.0 | Pass |
| Cadmium | | 0.5 | 0.0 | Pass |
| Chromium | | 1100 | 0.0 | Pass |
| Copper | | 300 | 0.0 | Pass |
| Lead | | 0.5 | 0.1 | Pass |
| Mercury | | 3 | 0.0 | Pass |
| Nickel | | 20 | 0.0 | Pass |

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

Micro by Petri & qPCR

Pass

Date Completed: 04/03/2023 12:58 pm

| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|-----------------------------------|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative | 0 | 0 | Not Detected | Pass |
| Aspergillus fumigatus Qualitative | 0 | 0 | Not Detected | Pass |
| Aspergillus niger Qualitative | 0 | 0 | Not Detected | Pass |
| Aspergillus terreus Qualitative | 0 | 0 | Not Detected | Pass |

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 4/12/2023 2:37:31PM



Sample #: 706

Orchard Sunrise 1:1 Line Test #1

Micro by Petri & qPCR

Pass

Date Completed: 04/03/2023 12:58 pm

| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Salmonella Qualitative | 0 | 0 | Not Detected | Pass |
| Shiga Toxin-Producing E. coli Qualitative | 0 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | 10000 | ND | Pass |
| Total Yeast & Mold | 10 | 1000 | ND | Pass |

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

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