



Date Released: 5/7/2024 6:19:55PM

Report #: 15602

## Sour Apple Diesel

Sample #: 4701, Weight: 45.50g, Unit Count:

Order #: X240424-0001

Category/Type: Plant, Flower - Cured

Date Collected: 4/24/2024 10:33:22AM

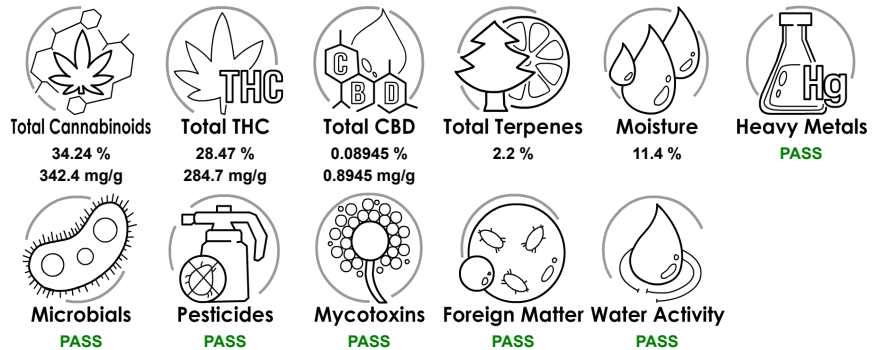
Date Received: 4/24/2024 5:51:52PM

Regulator Sample ID: SAD12A

Regulator Source Package ID: SAD12A

Regulator Batch ID: SAD12A

Size: 3200Units, Unit Count:



## Potency Analysis by HPLC

Total Cannabinoids: 34.24 % - 342.4 mg/g

Total THC: 28.47 % - 284.7 mg/g

Total CBD: 0.08945 % - 0.8945 mg/g

Date Completed: 04/25/2024 10:48AM

| Compound   | CAS#       | LOQ (%)  | %       | mg/g   | Relative Concentration |
|------------|------------|----------|---------|--------|------------------------|
| THCa       | 23978-85-0 | 0.001000 | 31.90   | 319.0  |                        |
| CBGa       | 25555-57-1 | 0.001000 | 1.617   | 16.17  |                        |
| d9-THC     | 1972-08-3  | 0.001000 | 0.4972  | 4.972  |                        |
| CBDa       | 1244-58-2  | 0.001000 | 0.1020  | 1.020  |                        |
| CBG        | 25654-31-3 | 0.001000 | 0.08658 | 0.8658 |                        |
| CBDV       | 24274-48-4 | 0.001000 | 0.03386 | 0.3386 |                        |
| d8-THC     | 5957-75-5  | 0.001000 | ND      | ND     |                        |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND      | ND     |                        |
| d10/S9-THC | 95588-87-7 | 0.001000 | ND      | ND     |                        |
| THCV       | 31262-37-0 | 0.001000 | ND      | ND     |                        |
| CBD        | 13956-29-1 | 0.001000 | ND      | ND     |                        |
| CBC        | 20675-51-8 | 0.001000 | ND      | ND     |                        |
| CBN        | 521-35-7   | 0.001000 | 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.

d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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Permit #: OCM-CPL-2022-00007

*Kelly N. Greenland*

Dr. Kelly Greenland, Lab Director





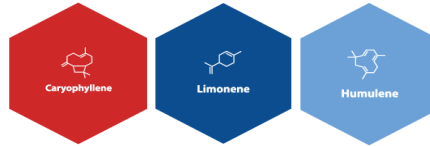
Sample #: 4701

Sour Apple Diesel

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|------------|------------|----------|---------|--------|------------------------|
| THCa       |            | 0.001000 | 31.90   | 319.0  |                        |
| CBGa       |            | 0.001000 | 1.617   | 16.17  |                        |
| d9-THC     |            | 0.001000 | 0.4972  | 4.972  |                        |
| CBDa       |            | 0.001000 | 0.1020  | 1.020  |                        |
| CBG        |            | 0.001000 | 0.08658 | 0.8658 |                        |
| CBDV       |            | 0.001000 | 0.03386 | 0.3386 |                        |
| THCV       |            | 0.001000 | ND      | ND     |                        |
| CBD        |            | 0.001000 | ND      | ND     |                        |
| CBN        |            | 0.001000 | ND      | ND     |                        |
| d8-THC     |            | 0.001000 | ND      | ND     |                        |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND      | ND     |                        |
| d10/S9-THC | 95588-87-7 | 0.001000 | ND      | ND     |                        |
| CBC        |            | 0.001000 | ND      | ND     |                        |

## Terpenes by HS-GC-MS

Date Completed: 04/25/2024 10:26AM



| Compound           | CAS#      | LOQ (%) | %      | Relative Concentration |
|--------------------|-----------|---------|--------|------------------------|
| Beta-caryophyllene | 87-44-5   | 0.1000  | 1.036  |                        |
| Limonene           | 5989-27-5 | 0.1000  | 0.3624 |                        |
| Alpha-humulene     | 6753-98-6 | 0.1000  | 0.3508 |                        |
| Farnesene          | 502-61-4  | 0.1000  | 0.2315 |                        |
| Alpha-bisabolol    | 515-69-5  | 0.1000  | 0.1331 |                        |
| Valencene          | 4630-07-3 | 0.1000  | 0.1104 |                        |
| Beta-myrcene       | 123-35-3  | 0.1000  | ND     |                        |
| Alpha-pinene       | 80-56-8   | 0.1000  | ND     |                        |

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Dr. Kelly Greenland, Lab Director





Sample #: 4701

Sour Apple Diesel

| Compound            | CAS#       | LOQ (%) | %  | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Linalool            | 78-70-6    | 0.1000  | ND |                        |
| Beta-pinene         | 127-91-3   | 0.1000  | ND |                        |
| Terpinolene         | 586-62-9   | 0.1000  | ND |                        |
| Borneol             | 464-43-7   | 0.1000  | ND |                        |
| Ocimene             | 13877-91-3 | 0.1000  | ND |                        |
| Caryophyllene-oxide | 1139-30-6  | 0.1000  | ND |                        |
| Geraniol            | 106-24-1   | 0.1000  | ND |                        |
| Camphene            | 79-92-5    | 0.1000  | ND |                        |
| Guaiol              | 489-86-1   | 0.1000  | ND |                        |
| Alpha-terpinene     | 99-86-5    | 0.1000  | ND |                        |
| Terpineol           | 8006-39-1  | 0.1000  | ND |                        |
| Fenchol             | 14575-74-7 | 0.1000  | ND |                        |
| Alpha-phellandrene  | 99-83-2    | 0.1000  | ND |                        |
| Camphor             | 464-49-3   | 0.1000  | ND |                        |
| 3-Carene            | 13466-78-9 | 0.1000  | ND |                        |
| Alpha-cedrene       | 469-61-4   | 0.1000  | ND |                        |
| Cedrol              | 77-53-2    | 0.1000  | ND |                        |
| Eucalyptol          | 470-82-6   | 0.1000  | ND |                        |
| Fenchone            | 1195-79-5  | 0.1000  | ND |                        |
| Gamma-terpinene     | 99-85-4    | 0.1000  | ND |                        |
| Geranyl Acetate     | 105-87-3   | 0.1000  | ND |                        |
| Isopulegol          | 89-79-2    | 0.1000  | ND |                        |
| Menthol             | 15356-70-4 | 0.1000  | ND |                        |
| Nerol               | 106-25-2   | 0.1000  | ND |                        |
| Nerolidol           |            | 0.1000  | ND |                        |
| Pulegone            | 89-82-7    | 0.1000  | ND |                        |

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Sour Apple Diesel

| Compound         | CAS#      | LOQ (%) | %  | Relative Concentration |
|------------------|-----------|---------|----|------------------------|
| Sabinene         | 3387-41-5 | 0.1000  | ND |                        |
| Sabinene Hydrate | 546-79-2  | 0.1000  | ND |                        |

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

### Foreign Matter by Microscopy

Pass

Analysis Date: 04/25/2024 2:30 pm

| Compound          | LOQ (%) | Limits (%) | Result (%) | Status |
|-------------------|---------|------------|------------|--------|
| % Foreign Matter  | 0.00100 | 2.0        | ND         | Pass   |
| Mammalian Excreta | 0.00100 | 0.03       | ND         | Pass   |
| Stems             | 0.00100 | 5.0        | ND         | Pass   |

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

### Moisture LWG

Pass

Analysis Date: 04/25/2024 2:34 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2     | 5 - 15     | 11.4       | Pass   |

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

### Water Activity

Pass

Analysis Date: 04/25/2024 2:30 pm

| Compound       | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05     | 0.65        | 0.40        | 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

Analysis Date: 04/29/2024 4:36 pm

| Compound    | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------|------------|---------------|---------------|--------|
| Abamectin   | 0.0100     | 0.500         | ND            | Pass   |
| Acephate    | 0.0100     | 0.400         | ND            | Pass   |
| Acequinocyl | 0.0100     | 2.00          | ND            | Pass   |

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**Sample #: 4701**

**Sour Apple Diesel**

**Pesticides by LCMSMS**

**Pass**

**Analysis Date: 04/29/2024 4:36 pm**

| Compound             | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------------------|------------|---------------|---------------|--------|
| Acetamiprid          | 0.0100     | 0.200         | ND            | Pass   |
| Aldicarb             | 0.0100     | 0.400         | ND            | Pass   |
| Azadirachtin         | 0.0100     | 1.00          | ND            | Pass   |
| Azoxystrobin         | 0.0100     | 0.200         | ND            | Pass   |
| Bifenazate           | 0.0100     | 0.200         | ND            | Pass   |
| Bifenthrin           | 0.0100     | 0.200         | ND            | Pass   |
| Boscalid             | 0.0100     | 0.400         | ND            | Pass   |
| Captan               | 0.0100     | 1.00          | ND            | Pass   |
| Carbaryl             | 0.0100     | 0.200         | ND            | Pass   |
| Carbofuran           | 0.0100     | 0.200         | ND            | Pass   |
| Chlorantraniliprole  | 0.0100     | 0.200         | ND            | Pass   |
| Chlordane-alpha      | 0.0100     | 1.00          | ND            | Pass   |
| Chlorfenapyr         | 0.0100     | 1.00          | ND            | Pass   |
| Chlormequat Chloride | 0.0100     | 1.00          | ND            | Pass   |
| Chlorpyrifos         | 0.0100     | 0.200         | ND            | Pass   |
| Clofentezine         | 0.0100     | 0.200         | ND            | Pass   |
| Coumaphos            | 0.0100     | 1.00          | ND            | Pass   |
| Cyfluthrin           | 0.0100     | 1.00          | ND            | Pass   |
| Cypermethrin         | 0.0100     | 1.00          | ND            | Pass   |
| Daminozide           | 0.0100     | 1.00          | ND            | Pass   |
| Diazinon             | 0.0100     | 0.200         | ND            | Pass   |
| Dichlorvos           | 0.0100     | 1.00          | ND            | Pass   |
| Dimethoate           | 0.0100     | 0.200         | ND            | Pass   |
| Dimethomorph         | 0.0100     | 1.00          | ND            | Pass   |
| Ethoprophos          | 0.0100     | 0.200         | ND            | Pass   |
| Etofenprox           | 0.0100     | 0.400         | ND            | Pass   |

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Dr. Kelly Greenland, Lab Director



## Sour Apple Diesel

## Pass

**Analysis Date:** 04/29/2024 4:36 pm

| Compound                | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| Etoazole                | 0.0100     | 0.200         | ND            | Pass   |
| Fenhexamid              | 0.0100     | 1.00          | ND            | Pass   |
| Fenoxycarb              | 0.0100     | 0.200         | ND            | Pass   |
| Fenpyroximate           | 0.0100     | 0.400         | ND            | Pass   |
| Fipronil                | 0.0100     | 0.400         | ND            | Pass   |
| Flonicamid              | 0.0100     | 1.00          | ND            | Pass   |
| Fludioxonil             | 0.0100     | 0.400         | ND            | Pass   |
| Hexythiazox             | 0.0100     | 1.00          | ND            | Pass   |
| Imazalil                | 0.0100     | 0.200         | ND            | Pass   |
| Imidacloprid            | 0.0100     | 0.400         | ND            | Pass   |
| Indolebutyric Acid      | 0.0100     | 1.00          | ND            | Pass   |
| Kresoxim-methyl         | 0.0100     | 0.400         | ND            | Pass   |
| Malathion               | 0.0100     | 0.200         | ND            | Pass   |
| Metalaxyl               | 0.0100     | 0.200         | ND            | Pass   |
| Methiocarb              | 0.0100     | 0.200         | ND            | Pass   |
| Methomyl                | 0.0100     | 0.400         | ND            | Pass   |
| Methyl Parathion        | 0.0100     | 0.200         | ND            | Pass   |
| Mevinphos               | 0.0100     | 1.00          | ND            | Pass   |
| MGK-264                 | 0.0100     | 0.200         | ND            | Pass   |
| Myclobutanil            | 0.0100     | 0.200         | ND            | Pass   |
| Naled                   | 0.0100     | 0.500         | ND            | Pass   |
| Oxamyl                  | 0.0100     | 1.00          | ND            | Pass   |
| Paclobutrazol           | 0.0100     | 0.400         | ND            | Pass   |
| Pentachloronitrobenzene | 0.0100     | 1.00          | ND            | Pass   |
| Permethrins, Total      | 0.0100     | 0.200         | ND            | Pass   |
| Phosmet                 | 0.0100     | 0.200         | ND            | Pass   |

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**Sample #: 4701**

**Sour Apple Diesel**

**Pesticides by LCMSMS**

**Pass**

**Analysis Date: 04/29/2024 4:36 pm**

| Compound           | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Piperonyl Butoxide | 0.0100     | 2.00          | ND            | Pass   |
| Prallethrin        | 0.0100     | 0.200         | ND            | Pass   |
| Propiconazole      | 0.0100     | 0.400         | ND            | Pass   |
| Propoxur           | 0.0100     | 0.200         | ND            | Pass   |
| Pyrethrins Total   | 0.0100     | 1.00          | ND            | Pass   |
| Pyridaben          | 0.0100     | 0.200         | ND            | Pass   |
| Spinetoram Total   | 0.0100     | 1.00          | ND            | Pass   |
| Spinosad Total     | 0.0100     | 0.200         | ND            | Pass   |
| Spiromesifen       | 0.0100     | 0.200         | ND            | Pass   |
| Spirotetramat      | 0.0100     | 0.200         | ND            | Pass   |
| Spiroxamine        | 0.0100     | 0.200         | ND            | Pass   |
| Tebuconazole       | 0.0100     | 0.400         | ND            | Pass   |
| Thiacloprid        | 0.0100     | 0.200         | ND            | Pass   |
| Thiamethoxam       | 0.0100     | 0.200         | ND            | Pass   |
| Trifloxystrobin    | 0.0100     | 0.200         | ND            | Pass   |

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

**Mycotoxins by LCMSMS**

**Pass**

**Analysis Date: 04/29/2024 4:36 pm**

| Compound        | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Aflatoxin B1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin B2    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G2    | 0.0050     | 0.020         | ND            | Pass   |
| Ochratoxin A    | 0.0050     | 0.020         | ND            | Pass   |
| Total Aflatoxin | 0.0050     | 0.020         | ND            | Pass   |

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

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## Sour Apple Diesel

# Pass

**Analysis Date:** 04/29/2024 9:15 am

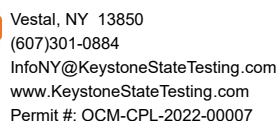
Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

## Pass

**Analysis Date:** 04/26/2024 2:42 pm

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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