



Date Released: 9/19/2024 5:41:57PM

Report #: 23779

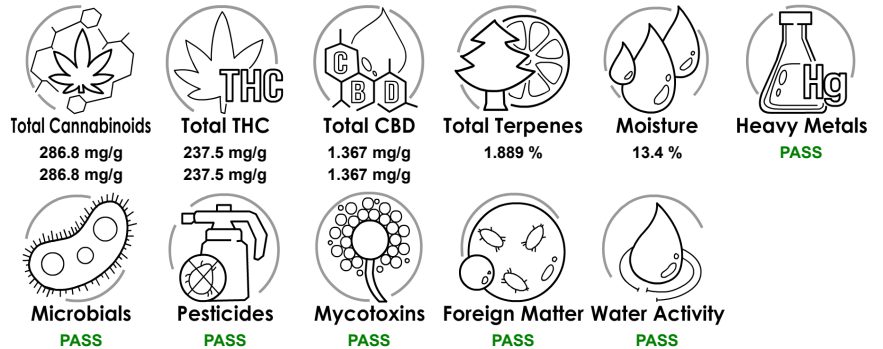
ROSE

Sample #: 5984, Weight: 45.50g, Unit Count:
Order #: X240915-0001

Category/Type: Plant, Flower - Cured
Date Collected: 9/13/2024 12:12:09PM
Date Received: 9/15/2024 12:37:50PM
Date Sampled: 9/13/2024 10:27:00AM

Regulator Sample ID: RO15GH2A
Regulator Source Package ID: RO15GH2A
Regulator Batch ID: RO15GH2A

Size: 3200Units, Unit Count:



Cannabinoids Avg

Total Cannabinoids: **286.8 mg/g - 286.8 mg/g**
Total THC: **237.5 mg/g - 237.5 mg/g**
Total CBD: **1.367 mg/g - 1.367 mg/g**

Date Completed: 09/16/2024 10:15AM

| Compound | CAS# | LOQ (mg/g) | mg/g | mg/g | Relative Concentration |
|----------|------------|---------------|--------|--------|------------------------|
| THCa | 23978-85-0 | | 259.7 | 259.7 | |
| CBGa | 25555-57-1 | | 14.20 | 14.20 | |
| d9-THC | 1972-08-3 | | 9.335 | 9.335 | |
| CBDa | 1244-58-2 | | 1.559 | 1.559 | |
| CBG | 25654-31-3 | | 1.406 | 1.406 | |
| d8-THC | 5957-75-5 | | 0.4352 | 0.4352 | |
| CBDV | 24274-48-4 | | 0.1878 | 0.1878 | |

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(607)301-0884
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www.KeystoneStateTesting.com
Permit #: OCM-CPL-00007

Kelly Greenland

Dr. Kelly Greenland, Lab Director





Sample #: 5984

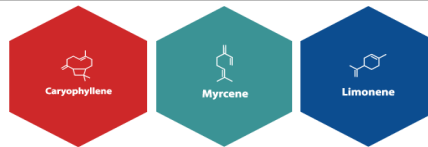
ROSE

| Compound | CAS# | LOQ (mg/g) | mg/g | mg/g | Relative Concentration |
|------------|------------|---------------|--------|------|------------------------|
| THCV | 31262-37-0 | | 0.0000 | ND | |
| CBD | 13956-29-1 | | 0.0000 | ND | |
| CBN | 521-35-7 | | 0.0000 | ND | |
| d10/R9-THC | 95543-62-7 | | 0.0000 | ND | |
| d10/S9-THC | 95588-87-7 | | 0.0000 | ND | |
| CBC | 20675-51-8 | | 0.0000 | 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.

Terpenes by HS-GC-MS

Date Completed: 09/16/2024 9:49AM



| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|--------------------|-----------|------------|--------|------------------------|
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.7240 | <div></div> |
| Beta-myrcene | 123-35-3 | 0.1000 | 0.4279 | <div></div> |
| Limonene | 5989-27-5 | 0.1000 | 0.3785 | <div></div> |
| Farnesene | 502-61-4 | 0.1000 | 0.1934 | <div></div> |
| Alpha-humulene | 6753-98-6 | 0.1000 | 0.1648 | <div></div> |
| Alpha-pinene | 80-56-8 | 0.1000 | ND | |
| Linalool | 78-70-6 | 0.1000 | ND | |
| Beta-pinene | 127-91-3 | 0.1000 | ND | |
| Terpinolene | 586-62-9 | 0.1000 | ND | |

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Sample #: 5984

ROSE

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Ocimene | 13877-91-3 | 0.1000 | ND | |
| Alpha-bisabolol | 515-69-5 | 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 | |
| Guaial | 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 | |
| Valencene | 4630-07-3 | 0.1000 | ND | |
| Alpha-phellandrene | 99-83-2 | 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: 09/17/2024 3:23 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: 09/16/2024 11:09 am

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2 | 5 - 15 | 13.4 | Pass |

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

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Sample #: 5984 ROSE

| Water Activity | | Pass | | Analysis Date: 09/17/2024 3:23 pm | |
|--|----------|-------------|-------------|-----------------------------------|--|
| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status | |
| Water Activity | 0.05 | 0.65 | 0.61 | 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: 09/18/2024 10:15 am | |
|----------------------|------------|---------------|---------------|------------------------------------|--|
| 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 | |
| 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 | |

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Sample #: 5984

ROSE

Pesticides by LCMSMS

Pass

Analysis Date: 09/18/2024 10:15 am

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

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Sample #: 5984 ROSE


| Pesticides by LCMSMS | | Pass | | Analysis Date: 09/18/2024 10:15 am | |
|-------------------------|------------|---------------|---------------|------------------------------------|--|
| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status | |
| 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 | |
| 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.

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Sample #: 5984 ROSE

| Mycotoxins by LCMSMS | | Pass | | Analysis Date: 09/18/2024 12:20 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. | | | | | |

| Heavy Metals by ICPMS | | Pass | | Analysis Date: 09/18/2024 12:01 pm | |
|-----------------------|--|---------------|---------------|------------------------------------|--|
| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status | |
| Antimony | 0.0100 | 2.00 | ND | Pass | |
| Arsenic | 0.00100 | 0.200 | ND | Pass | |
| Cadmium | 0.00150 | 0.200 | 0.00390 | Pass | |
| Chromium | 0.280 | 110 | ND | Pass | |
| Copper | 0.0750 | 30.0 | 7.10 | Pass | |
| Lead | 0.00250 | 0.500 | 0.0152 | Pass | |
| Mercury | 0.000500 | 0.100 | ND | Pass | |
| Nickel | 0.0100 | 5.00 | 0.0277 | Pass | |
| Comment: | Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed. | | | | |

| Micro by Petri & qPCR | | Pass | | Analysis Date: 09/17/2024 11:35 am | |
|-----------------------------------|-------------|----------------|----------------|------------------------------------|--|
| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status | |
| Aspergillus flavus Qualitative | 1 | 0 | Not Detected | Pass | |
| Aspergillus fumigatus Qualitative | 1 | 0 | Not Detected | Pass | |
| Aspergillus niger Qualitative | 1 | 0 | Not Detected | Pass | |
| Aspergillus terreus Qualitative | 1 | 0 | Not Detected | Pass | |

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| Micro by Petri & qPCR | | Pass | | Analysis Date: 09/17/2024 11:35 am | |
|--|-------------|----------------|----------------|------------------------------------|--|
| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status | |
| Salmonella Qualitative | 1 | 0 | Not Detected | Pass | |
| Shiga Toxin-Producing E. coli Qualitative | 1 | 0 | Not Detected | Pass | |
| Total Aerobic Bacteria | 10 | | 5000 | Pass | |
| Total Yeast & Mold | 10 | | <LOQ | 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". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g. | | | | | |

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