



Date Released: 5/3/2024 2:25:19PM

Report #: 15520

Power

Sample #: 4695, Weight: 28.00g, Unit Count:

Order #: X240424-0001

Category/Type: Plant, Flower - Cured

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


Date Received: 4/24/2024 5:51:48PM

Regulator Sample ID: P34GH2A


Regulator Source Package ID: P34GH2A


Regulator Batch ID: P34GH2A

Size: 896Units, Unit Count:


Total Cannabinoids
31.77 %
317.7 mg/g



Total THC
27.12 %
271.2 mg/g


Total CBD
0.07955 %
0.7955 mg/g


Total Terpenes
1.4 %


Moisture
11.9 %


Heavy Metals
PASS


Microbials
PASS


Pesticides
PASS


Mycotoxins
PASS


Foreign Matter
PASS


Water Activity
PASS

Potency Analysis by HPLC

Total Cannabinoids: 31.77 % - 317.7 mg/g

Total THC: 27.12 % - 271.2 mg/g

Total CBD: 0.07955 % - 0.7955 mg/g

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

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|------------|------------|----------|---------|--------|------------------------|
| THCa | 23978-85-0 | 0.001000 | 29.29 | 292.9 | <div></div> |
| d9-THC | 1972-08-3 | 0.001000 | 1.437 | 14.37 | <div></div> |
| CBGa | 25555-57-1 | 0.001000 | 0.8105 | 8.105 | <div></div> |
| CBDa | 1244-58-2 | 0.001000 | 0.09071 | 0.9071 | <div></div> |
| CBG | 25654-31-3 | 0.001000 | 0.08876 | 0.8876 | <div></div> |
| CBC | 20675-51-8 | 0.001000 | 0.03219 | 0.3219 | <div></div> |
| CBDV | 24274-48-4 | 0.001000 | 0.01707 | 0.1707 | <div></div> |
| 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 | |
| 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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Kelly Greenland

Dr. Kelly Greenland, Lab Director





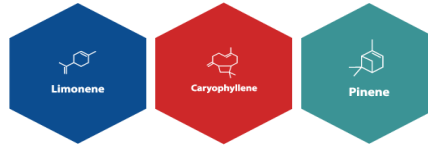
Sample #: 4695

Power

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|------------|------------|----------|---------|--------|------------------------|
| THCa | | 0.001000 | 29.29 | 292.9 | <div></div> |
| d9-THC | | 0.001000 | 1.437 | 14.37 | <div></div> |
| CBGa | | 0.001000 | 0.8105 | 8.105 | <div></div> |
| CBDa | | 0.001000 | 0.09071 | 0.9071 | <div></div> |
| CBG | | 0.001000 | 0.08876 | 0.8876 | <div></div> |
| CBC | | 0.001000 | 0.03219 | 0.3219 | <div></div> |
| CBDV | | 0.001000 | 0.01707 | 0.1707 | <div></div> |
| THCV | | 0.001000 | ND | ND | <div></div> |
| CBD | | 0.001000 | ND | ND | <div></div> |
| CBN | | 0.001000 | ND | ND | <div></div> |
| d8-THC | | 0.001000 | ND | ND | <div></div> |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND | ND | <div></div> |
| d10/S9-THC | 95588-87-7 | 0.001000 | ND | ND | <div></div> |

Terpenes by HS-GC-MS

Date Completed: 04/25/2024 9:54AM



| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|--------------------|-----------|---------|--------|------------------------|
| Limonene | 5989-27-5 | 0.1000 | 0.6217 | <div></div> |
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.2449 | <div></div> |
| Alpha-pinene | 80-56-8 | 0.1000 | 0.1940 | <div></div> |
| Linalool | 78-70-6 | 0.1000 | 0.1601 | <div></div> |
| Beta-pinene | 127-91-3 | 0.1000 | 0.1120 | <div></div> |
| Farnesene | 502-61-4 | 0.1000 | 0.1107 | <div></div> |
| Beta-myrcene | 123-35-3 | 0.1000 | ND | <div></div> |
| Alpha-humulene | 6753-98-6 | 0.1000 | ND | <div></div> |

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Sample #: 4695

Power

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Terpinolene | 586-62-9 | 0.1000 | ND | |
| Borneol | 464-43-7 | 0.1000 | ND | |
| 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 | |
| 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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Sample #: 4695

Power

| 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 2:30 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2 | 5 - 15 | 11.9 | 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 | 0.50 | 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 #: 4695 Power


| 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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Sample #: 4695

Power

Pesticides by LCMSMS

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 #: 4695 Power

| 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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Sample #: 4695

Power

Heavy Metals by ICPMS

Pass

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

| 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 | 0.300 | ND | Pass |
| Chromium | 0.280 | 110 | ND | Pass |
| Copper | 0.0750 | 30.0 | 7.06 | Pass |
| Lead | 0.00250 | 0.500 | ND | Pass |
| Mercury | 0.000500 | 0.100 | ND | Pass |
| Nickel | 0.0100 | 5.00 | ND | Pass |

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

Micro by Petri & qPCR

Pass

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

| 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 |
| Salmonella Qualitative | 1 | 0 | Not Detected | Pass |
| Shiga Toxin-Producing E. coli Qualitative | 1 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | | <LOQ | 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".

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