

NG Growers inc

1543 Union Center Maine Hwy
 ellen@nanticokegardens.com
 607-754-5008
 License #: OCM-AUCC-22-000079

Certificate of Analysis

Final



Date Released: 11/15/2023 3:21:03PM

Report #: 4985

White Widow 110614

Sample #: 3008, Weight: 45.50g, Unit Count:

Order #: X231109-0001

Category/Type: Plant, Flower - Cured

Date Collected: 11/9/2023 3:01:12PM

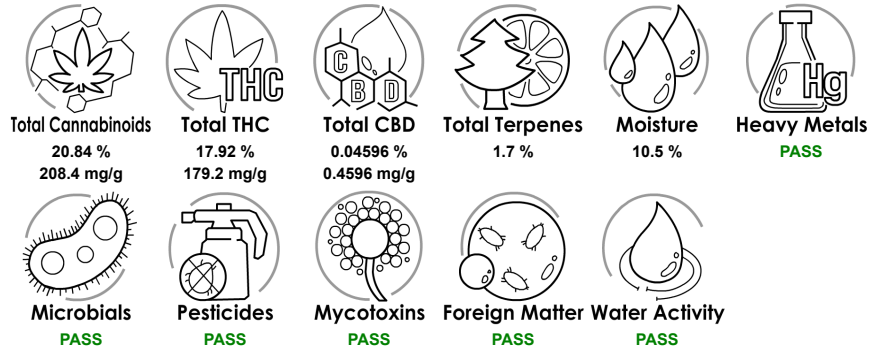
Date Received: 11/9/2023 3:15:33PM

Regulator Sample ID: 110614

Regulator Source Package ID: 110614

Regulator Batch ID: 110614

Size: 2000Units, Unit Count:



Potency Analysis by HPLC

Total Cannabinoids: **20.84 % - 208.4 mg/g**
 Total THC: **17.92 % - 179.2 mg/g**
 Total CBD: **0.04596 % - 0.4596 mg/g**

Date Completed: 11/13/2023 10:18AM

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|----------|------------|----------|---------|--------|------------------------|
| THCa | 23978-85-0 | 0.001000 | 14.94 | 149.4 | [Bar] |
| d9-THC | 1972-08-3 | 0.001000 | 4.822 | 48.22 | [Bar] |
| CBGa | 25555-57-1 | 0.001000 | 0.6732 | 6.732 | [Bar] |
| CBG | 25654-31-3 | 0.001000 | 0.1540 | 1.540 | [Bar] |
| CBC | 20675-51-8 | 0.001000 | 0.1085 | 1.085 | [Bar] |
| CBN | 521-35-7 | 0.001000 | 0.05851 | 0.5851 | [Bar] |
| CBDa | 1244-58-2 | 0.001000 | 0.05241 | 0.5241 | [Bar] |
| THCV | 31262-37-0 | 0.001000 | 0.02966 | 0.2966 | [Bar] |
| d8-THC | 5957-75-5 | 0.001000 | ND | ND | [Bar] |
| d10-THC | 95543-62-7 | 0.001000 | ND | ND | [Bar] |
| CBD | 13956-29-1 | 0.001000 | ND | ND | [Bar] |
| CBDV | 24274-48-4 | 0.001000 | ND | ND | [Bar] |

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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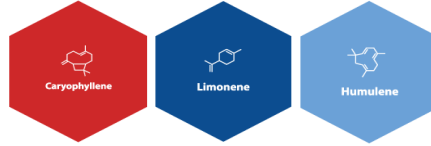


Sample #: 3008

White Widow 110614

Terpenes by HS-GC-MS

Date Completed: 11/13/2023 10:39AM



| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---------------------|------------|---------|--------|------------------------|
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.7107 | |
| Limonene | 5989-27-5 | 0.1000 | 0.2899 | |
| Alpha-humulene | 6753-98-6 | 0.1000 | 0.2823 | |
| Farnesene | 502-61-4 | 0.1000 | 0.1862 | |
| Alpha-pinene | 80-56-8 | 0.1000 | 0.1101 | |
| Beta-myrcene | 123-35-3 | 0.1000 | 0.1013 | |
| 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 | |
| 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 | |
| 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 | |
| Valencene | 4630-07-3 | 0.1000 | ND | |
| Alpha-phellandrene | 99-83-2 | 0.1000 | ND | |
| Camphor | 464-49-3 | 0.1000 | ND | |

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**Sample #: 3008****White Widow 110614**

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|------------------|------------|---------|-------|------------------------|
| 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 | | | 0.000 | |
| Pulegone | 89-82-7 | 0.1000 | ND | |
| 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: 11/13/2023 9:56 am

| 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: 11/13/2023 9:56 am

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2 | 5 - 15 | 10.5 | 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 #: 3008****White Widow 110614****Water Activity****Pass**

Analysis Date: 11/13/2023 9:56 am

| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05 | 0.65 | 0.45 | 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: 11/15/2023 1:47 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 |
| 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 |
| Chloromequat 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 #: 3008****White Widow 110614****Pesticides by LCMSMS****Pass**

Analysis Date: 11/15/2023 1:47 pm

| 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 |
| Fonicamid | 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 #: 3008****White Widow 110614****Pesticides by LCMSMS****Pass**

Analysis Date: 11/15/2023 1:47 pm

| 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 #: 3008****White Widow 110614****Mycotoxins by LCMSMS****Pass**

Analysis Date: 11/15/2023 1:47 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: 11/14/2023 10:40 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100 | 2.00 | ND | Pass |
| Arsenic | 0.00100 | 0.200 | 0.0265 | Pass |
| Cadmium | 0.00150 | 0.300 | 0.0668 | Pass |
| Chromium | 0.280 | 110 | ND | Pass |
| Copper | 0.0750 | 30.0 | 11.2 | Pass |
| Lead | 0.00250 | 0.500 | 0.0177 | Pass |
| Mercury | 0.000500 | 0.100 | 0.00155 | 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: 11/15/2023 10:33 am

| 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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Micro by Petri & qPCR

Pass

Analysis Date: 11/15/2023 10:33 am

| 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 | | ND | Pass |
| Total Yeast & Mold | 10 | | 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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