

Green Analytics NY, LLC  
401 North Middletown Road, Building 60B  
Pearl River, NY 10965  
www.greenanalyticsllc.com  
License #s: OCM-CPL-00013  
ISO 17025 Certificate No.: 4356.09

### Sample Result: PASS

|                           |                           |                          |                   |
|---------------------------|---------------------------|--------------------------|-------------------|
| <b>Date Reported:</b>     | 11/25/2025                | <b>Sample ID:</b>        | 20251113-EMNY-006 |
| <b>Client Name:</b>       | Empire Standard LLC       | <b>Sample Name:</b>      | UF-XCAY-03        |
| <b>Sampling Location:</b> | Binghamton, New York      | <b>Sample Matrix:</b>    | Flower            |
| <b>Contact Name:</b>      | Empire Standard LLC       | <b>Sample Sub Type:</b>  | Flower            |
| <b>Contact Email:</b>     | info@empirestandardny.com | <b>Package ID:</b>       | UF-XCAY-03        |
| <b>License Number:</b>    | OCM-PROC-24-000202        | <b>Batch Lot ID:</b>     | UF-XCAY-03        |
| <b>Medical/Adult Use:</b> | Adult Use                 | <b>Batch Size:</b>       | 3000              |
| <b>Sampling Date:</b>     | 11/13/2025 12:00:00 PM    | <b>Serving Size (g):</b> | 3.5               |

|                       |          |                        |          |                                     |          |                   |          |
|-----------------------|----------|------------------------|----------|-------------------------------------|----------|-------------------|----------|
| <b>Potency</b>        | <b>T</b> | <b>Pesticides</b>      | <b>P</b> | <b>Heavy Metals</b>                 | <b>P</b> | <b>Mycotoxins</b> | <b>P</b> |
| <b>Water Activity</b> | <b>P</b> | <b>Microbiological</b> | <b>P</b> | <b>Residual Solvents</b>            | <b>-</b> | <b>Terpenes</b>   | <b>P</b> |
|                       |          | <b>Moisture</b>        | <b>P</b> | <b>Filth &amp; Foreign Material</b> | <b>P</b> |                   |          |

"-" = Not Tested; "T" = Tested; "P" = Pass; "F" = Fail

| Cannabinoids: UF-XCAY-03 (20251113-EMNY-006)             |        |            |             |
|--|--------|------------|-------------|
| Potency analysis utilizing HPLC (SOP-025-NY, SOP-073-NY) |        |            |             |
| Analyte  | % w/w  | mg/serving | MRL (% w/w) |
| CBDV   | < MRL  | < MRL      | 0.107       |
| CBDA   | < MRL  | < MRL      | 0.107       |
| CBGA   | 0.733  | 25.643     | 0.107       |
| CBG  | 0.138  | 4.834      | 0.107       |
| CBD  | < MRL  | < MRL      | 0.107       |
| THCV   | < MRL  | < MRL      | 0.107       |
| CBN  | < MRL  | < MRL      | 0.107       |
| D9-THC   | 1.175  | 41.127     | 0.107       |
| D8-THC   | < MRL  | < MRL      | 0.107       |
| D10-THC-S  | < MRL  | < MRL      | 0.107       |
| D10-THC-R  | < MRL  | < MRL      | 0.107       |
| CBC  | < MRL  | < MRL      | 0.107       |
| THCA   | 31.850 | 1114.746   | 0.107       |

MRL = Minimum reporting limit/limit of quantification  
mg/serving = % w/w x10 x serving size weight (g)  
Reported on a dry-weight basis based on the calculation:  
(wet sample % x 100)/(100 - %MC)

Test ID: #164004 | Date Tested: 11/21/2025 10:36 PM

| Potency Summary   | % w/w  | mg/serving |
|---|--------|------------|
| <b>Total THC</b> [Δ8-THC + Δ9-THC + Δ10-THC + (THCA * 0.877)] | 29.107 | 1018.759   |
| <b>Total CBD</b> [CBD + (CBDA * 0.877)]                       | < MRL  | < MRL      |
| <b>Total Cannabinoids</b>                                     | 33.896 | 1186.349   |



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Serving size (g) has been provided by the client during the sampling process, unless otherwise specified. Action limits are set according to the New York State Office of Cannabis Management Testing Limits. A sample is deemed acceptable when all analyte values are within those state determined limits. Laboratory determined measurement uncertainty is available by request.

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**Terpenes: UF-XCAY-03 (20251113-EMNY-006)**

**PASS**

Terpenes analysis utilizing GC-MS (SOP-063-NY, SOP-069-NY)

| Analyte             | Result (% w/w) | MRL (% w/w) |
|---------------------|----------------|-------------|
| alpha-Pinene        | < MRL          | 0.07        |
| Camphene            | < MRL          | 0.07        |
| Sabinene            | < MRL          | 0.07        |
| beta-Pinene         | < MRL          | 0.07        |
| beta-Myrcene        | 0.43           | 0.07        |
| Alpha-phellandrene  | < MRL          | 0.07        |
| Carene              | < MRL          | 0.07        |
| alpha-terpinene     | < MRL          | 0.07        |
| p-Cymene            | < MRL          | 0.07        |
| Limonene            | 0.40           | 0.07        |
| Eucalyptol          | < MRL          | 0.07        |
| Ocimene             | < MRL          | 0.05        |
| gamma-Terpinene     | < MRL          | 0.07        |
| Sabinene Hydrate    | < MRL          | 0.07        |
| Terpinolene         | < MRL          | 0.07        |
| Linalool            | < MRL          | 0.07        |
| Fenchol             | < MRL          | 0.07        |
| Menthol             | < MRL          | 0.07        |
| Terpineol           | < MRL          | 0.07        |
| Citronellol         | < MRL          | 0.07        |
| Isopulegol          | < MRL          | 0.07        |
| Geraniol            | < MRL          | 0.07        |
| Alpha-cedrene       | < MRL          | 0.06        |
| Beta-Caryophyllene  | 0.63           | 0.07        |
| Farnesene           | < MRL          | 0.07        |
| alpha-Humulene      | 0.24           | 0.07        |
| Valencene           | < MRL          | 0.07        |
| cis-Nerolidol       | < MRL          | 0.03        |
| trans-Nerolidol     | < MRL          | 0.04        |
| Caryophyllene oxide | 0.15           | 0.07        |
| Guaiol              | < MRL          | 0.07        |
| alpha-Bisabolol     | < MRL          | 0.07        |

MRL = Minimum reporting limit/limit of quantification

Test ID: #164007 | Date Tested: 11/25/2025 09:56 AM

| Terpenes Summary              | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| <b>Total Terpenes (% w/w)</b> | 1.85   | 10    | PASS      |



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**Pesticides: UF-XCAY-03 (20251113-EMNY-006)**

**PASS**

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (SOP-062-NY, SOP-070-NY)

| Analyte                 | Pass/Fail | Result (µg/g) | Limit (µg/g) | MRL (µg/g) |
|-------------------------|-----------|---------------|--------------|------------|
| Abamectin               | PASS      | < MRL         | 0.50         | 0.100      |
| Acephate                | PASS      | < MRL         | 0.40         | 0.100      |
| Acequinocyl             | PASS      | < MRL         | 2.00         | 0.100      |
| Acetamiprid             | PASS      | < MRL         | 0.20         | 0.100      |
| Aldicarb                | PASS      | < MRL         | 0.40         | 0.100      |
| Azadirachtin            | PASS      | < MRL         | 1.00         | 0.250      |
| Azoxystrobin            | PASS      | < MRL         | 0.20         | 0.100      |
| Bifenazate              | PASS      | < MRL         | 0.20         | 0.100      |
| Bifenthrin              | PASS      | < MRL         | 0.20         | 0.100      |
| Boscalid                | PASS      | < MRL         | 0.40         | 0.100      |
| Captan                  | PASS      | < MRL         | 1.00         | 0.500      |
| Carbaryl                | PASS      | < MRL         | 0.20         | 0.100      |
| Carbofuran              | PASS      | < MRL         | 0.20         | 0.100      |
| Chlorantranilprole      | PASS      | < MRL         | 0.20         | 0.100      |
| Chlordane               | PASS      | < MRL         | 1.00         | 0.100      |
| Chlorfenapyr            | PASS      | < MRL         | 1.00         | 0.100      |
| Chlormequat chloride    | PASS      | < MRL         | 1.00         | 0.100      |
| Chlorpyrifos            | PASS      | < MRL         | 0.20         | 0.100      |
| Clofentezine            | PASS      | < MRL         | 0.20         | 0.100      |
| Coumaphos               | PASS      | < MRL         | 1.00         | 0.100      |
| Cyfluthrin              | PASS      | < MRL         | 1.00         | 0.100      |
| Cypermethrin            | PASS      | < MRL         | 1.00         | 0.100      |
| Daminozide              | PASS      | < MRL         | 1.00         | 0.100      |
| Diazinon                | PASS      | < MRL         | 0.20         | 0.100      |
| Dichlorvos              | PASS      | < MRL         | 1.00         | 0.100      |
| Dimethoate              | PASS      | < MRL         | 0.20         | 0.100      |
| Dimethomorph            | PASS      | < MRL         | 0.20         | 0.100      |
| Ethoprophos             | PASS      | < MRL         | 0.20         | 0.100      |
| Etofenprox              | PASS      | < MRL         | 0.40         | 0.100      |
| Etoxazole               | PASS      | < MRL         | 0.20         | 0.100      |
| Fenhexamid              | PASS      | < MRL         | 1.00         | 0.100      |
| Fenoxycarb              | PASS      | < MRL         | 0.20         | 0.100      |
| Fenpyroximate           | PASS      | < MRL         | 0.40         | 0.100      |
| Fipronil                | PASS      | < MRL         | 0.40         | 0.100      |
| Flonicamid              | PASS      | < MRL         | 1.00         | 0.100      |
| Fludioxonil             | PASS      | < MRL         | 0.40         | 0.100      |
| Hexythiazox             | PASS      | < MRL         | 1.00         | 0.100      |
| Imazalil                | PASS      | < MRL         | 0.20         | 0.100      |
| Imidacloprid            | PASS      | < MRL         | 0.40         | 0.100      |
| Indole-3-butyric acid   | PASS      | < MRL         | 1.00         | 0.250      |
| Kresoxim-methyl         | PASS      | < MRL         | 0.40         | 0.100      |
| Malathion               | PASS      | < MRL         | 0.20         | 0.100      |
| Metalaxyl               | PASS      | < MRL         | 0.20         | 0.100      |
| Methiocarb              | PASS      | < MRL         | 0.20         | 0.100      |
| Methomyl                | PASS      | < MRL         | 0.40         | 0.100      |
| Methyl Parathion        | PASS      | < MRL         | 0.40         | 0.100      |
| Mevinphos               | PASS      | < MRL         | 1.00         | 0.100      |
| MGK-264 I/II            | PASS      | < MRL         | 0.20         | 0.100      |
| Myclobutanil            | PASS      | < MRL         | 0.20         | 0.100      |
| Naled                   | PASS      | < MRL         | 0.50         | 0.100      |
| Oxamyl                  | PASS      | < MRL         | 1.00         | 0.100      |
| Paclobutrazol           | PASS      | < MRL         | 0.40         | 0.100      |
| Pentachloronitrobenzene | PASS      | < MRL         | 0.40         | 0.100      |
| Permethrins, total      | PASS      | < MRL         | 0.20         | 0.100      |
| Phosmet                 | PASS      | < MRL         | 0.20         | 0.100      |
| Piperonyl butoxide      | PASS      | < MRL         | 2.00         | 0.100      |
| Prallethrin             | PASS      | < MRL         | 0.20         | 0.100      |
| Propiconazole           | PASS      | < MRL         | 0.40         | 0.100      |
| Propoxur                | PASS      | < MRL         | 0.20         | 0.100      |
| Pyrethrins              | PASS      | < MRL         | 1.00         | 0.100      |
| Pyridaben               | PASS      | < MRL         | 0.20         | 0.100      |
| Spinetoram, Total       | PASS      | < MRL         | 1.00         | 0.100      |
| Spinosad, Total         | PASS      | < MRL         | 0.20         | 0.100      |
| Spiromesifen            | PASS      | < MRL         | 0.20         | 0.100      |
| Spirotetramat           | PASS      | < MRL         | 0.20         | 0.100      |
| Spiroxamine             | PASS      | < MRL         | 0.20         | 0.100      |
| Tebuconazole            | PASS      | < MRL         | 0.40         | 0.100      |
| Thiacloprid             | PASS      | < MRL         | 0.20         | 0.100      |
| Thiamethoxam            | PASS      | < MRL         | 0.20         | 0.100      |
| Trifloxystrobin         | PASS      | < MRL         | 0.20         | 0.100      |

MRL = Minimum reporting limit/limit of quantification

Test ID: #164001 | Date Tested: 11/24/2025 04:58 PM



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| Mycotoxins: UF-XCAY-03 (20251113-EMNY-006)  |           |               |   |            | PASS |
|---|-----------|---------------|---|------------|------|
| Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (SOP-062-NY, SOP-070-NY) |           |               |   |            |      |
| Analyte   | Pass/Fail | Result (µg/g) | Limit (µg/g)  | MRL (µg/g) |      |
| Ochratoxin  | PASS      | < MRL         | 0.02  | 0.010      |      |
| Total Aflatoxins  | PASS      | < MRL         | 0.02  | 0.010      |      |
| MRL = Minimum reporting limit/limit of quantification   |           |               | Test ID: #164002   Date Tested: 11/24/2025 05:00 PM |            |      |

| Heavy Metals: UF-XCAY-03 (20251113-EMNY-006)  |           |               |   |            | PASS |
|---|-----------|---------------|---|------------|------|
| Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (SOP-061-NY, SOP-072-NY) |           |               |   |            |      |
| Analyte   | Pass/Fail | Result (µg/g) | Limit (µg/g)  | MRL (µg/g) |      |
| Chromium  | PASS      | < MRL         | 110.0   | 8.00       |      |
| Nickel  | PASS      | < MRL         | 5.0   | 1.00       |      |
| Copper  | PASS      | < MRL         | 30.0  | 8.00       |      |
| Arsenic   | PASS      | < MRL         | 0.2   | 0.10       |      |
| Cadmium   | PASS      | < MRL         | 0.2   | 0.10       |      |
| Antimony  | PASS      | < MRL         | 2.0   | 1.00       |      |
| Mercury   | PASS      | < MRL         | 0.1   | 0.05       |      |
| Lead  | PASS      | < MRL         | 0.5   | 0.20       |      |
| MRL = Minimum reporting limit/limit of quantification   |           |               | Test ID: #164000   Date Tested: 11/21/2025 12:21 PM |            |      |

| Microbiology - Plating: UF-XCAY-03 (20251113-EMNY-006)                           |           |                 |  |             | PASS |
|--|-----------|-----------------|--|-------------|------|
| Microbial analysis utilizing microbial enumeration (SOP-700-NY)                  |           |                 |  |             |      |
| Analyte  | Pass/Fail | Results (CFU/g) | Limit (CFU/g)  | MRL (CFU/g) |      |
| Total Aerobic Bacteria   | PASS      | 1909            | None   | 100.0       |      |
| Total Yeast & Mold   | PASS      | 6847            | None   | 100.0       |      |
| Microbiology - qPCR:   |           |                 |  |             |      |
| Microbial analysis utilizing quantitative Polymerase Chain Reaction (SOP-701-NY) |           |                 |  |             |      |
| Analyte  | Pass/Fail | Results (CFU/g) | Limit (CFU/g)  | MRL (CFU/g) |      |
| Salmonella spp   | PASS      | Absent          | Absent   | 1.0         |      |
| Shiga toxin-producing E. coli  | PASS      | Absent          | Absent   | 1.0         |      |
| Aspergillus (fumigatus, flavus, niger, terreus)                                  | PASS      | Absent          | Absent   | 1.0         |      |
| MRL = Minimum reporting limit/limit of quantification                            |           |                 | Test IDs: #164009, #164008, #164011, #164010   Date Tested: 11/24/2025 08:19 PM, 11/24/2025 09:19 AM, 11/23/2025 03:22 PM, 11/23/2025 03:21 PM |             |      |

| Moisture: UF-XCAY-03 (20251113-EMNY-006)                              |           |            |   | PASS |
|---|-----------|------------|---|------|
| Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA) |           |            |   |      |
| Analyte   | Pass/Fail | Result (%) | Limit (%)   |      |
| Moisture  | PASS      | 10.9       | 15  |      |
| MRL = Minimum reporting limit/limit of quantification                 |           |            | Test ID: #164003   Date Tested: 11/20/2025 05:41 PM |      |



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| Water Activity: UF-XCAY-03 (20251113-EMNY-006)                                   |           |   | PASS                    |
|--|-----------|---|-------------------------|
| Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA) |           |   |                         |
| Analyte  | Pass/Fail | Result (a <sub>w</sub> )                            | Limit (a <sub>w</sub> ) |
| Water Activity   | PASS      | 0.35  | 0.65                    |
| MRL = Minimum reporting limit/limit of quantification                            |           | Test ID: #163999   Date Tested: 11/24/2025 06:00 PM |                         |

| Filtration and Foreign Material: UF-XCAY-03 (20251113-EMNY-006)            |         |   | PASS      |
|--|---------|---|-----------|
| Filtration and Foreign Material analysis utilizing microscopy (SOP-057-NY) |         |   |           |
| Analyte  | Results | Limit   | Pass/Fail |
| Foreign Material (other, % m/m)  | ND      | 2   | PASS      |
| Foreign Material (stems, % m/m)  | ND      | 5   | PASS      |
| Mammalian Excreta (mg/lb)  | ND      | 1   | PASS      |
| ND = Not Detected  |         | Test ID: #163998   Date Tested: 11/22/2025 11:21 AM |           |



Matthew Elmes  
Lab Director  
11/25/2025



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