

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>     | 3/21/2025                 | <b>Sample ID:</b>        | 20250310-EMNY-027 |
| <b>Client Name:</b>       | Empire Standard LLC       | <b>Sample Name:</b>      | JPPDIF-0425-003   |
| <b>Sampling Location:</b> | Binghamton, New York      | <b>Sample Matrix:</b>    | Flower            |
| <b>Contact Name:</b>      | Empire Standard LLC       | <b>Sample Sub Type:</b>  | Infused Flower    |
| <b>Contact Email:</b>     | info@empirestandardny.com | <b>Package ID:</b>       | JPPDIF-0425-003   |
| <b>License Number:</b>    | OCM-PROC-24-000202        | <b>Batch Lot ID:</b>     | JPPDIF-0425-003   |
| <b>Medical/Adult Use:</b> | Adult Use                 | <b>Batch Size:</b>       | 3200              |
| <b>Sampling Date:</b>     | 03/10/2025 02:20:00 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>P</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: JPPDIF-0425-003 (20250310-EMNY-027)

Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)

| Analyte   | % w/w  | mg/serving | MRL (% w/w) |
|-----------|--------|------------|-------------|
| CBDV      | < MRL  | < MRL      | 0.338       |
| CBDA      | < MRL  | < MRL      | 0.338       |
| CBGA      | 0.621  | 21.749     | 0.338       |
| CBG       | < MRL  | < MRL      | 0.338       |
| CBD       | < MRL  | < MRL      | 0.338       |
| THCV      | < MRL  | < MRL      | 0.338       |
| CBN       | < MRL  | < MRL      | 0.338       |
| D9-THC    | 1.163  | 40.710     | 0.338       |
| D8-THC    | < MRL  | < MRL      | 0.338       |
| D10-THC-S | < MRL  | < MRL      | 0.338       |
| D10-THC-R | < MRL  | < MRL      | 0.338       |
| CBC       | < MRL  | < MRL      | 0.338       |
| THCA      | 52.328 | 1831.475   | 0.338       |

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: #99149 | Date Tested: 03/14/2025 05:11 PM

| Potency Summary  | % w/w  | mg/serving |
|--|--------|------------|
| <b>Total THC</b> [ $\Delta^8$ -THC + $\Delta^9$ -THC + $\Delta^{10}$ -THC + (THCA * 0.877) ] | 47.055 | 1646.913   |
| <b>Total CBD</b> [ CBD + (CBDA * 0.877) ]  | < MRL  | < MRL      |
| <b>Total Cannabinoids</b>  | 54.112 | 1893.934   |



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

### Terpenes: JPPDIF-0425-003 (20250310-EMNY-027)

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

| Analyte             | Result (% w/w) | MRL (% w/w) |
|---------------------|----------------|-------------|
| alpha-Pinene        | < MRL          | 0.09        |
| Camphene            | < MRL          | 0.09        |
| Sabinene            | < MRL          | 0.09        |
| beta-Pinene         | < MRL          | 0.09        |
| beta-Myrcene        | 0.20           | 0.09        |
| Alpha-phellandrene  | < MRL          | 0.09        |
| Carene              | < MRL          | 0.09        |
| alpha-terpinene     | < MRL          | 0.09        |
| p-Cymene            | < MRL          | 0.09        |
| Limonene            | 0.20           | 0.09        |
| Eucalyptol          | < MRL          | 0.09        |
| Ocimene             | < MRL          | 0.07        |
| gamma-Terpinene     | < MRL          | 0.09        |
| Sabinene Hydrate    | < MRL          | 0.09        |
| Terpinolene         | < MRL          | 0.09        |
| Linalool            | 0.11           | 0.09        |
| Fenchol             | < MRL          | 0.09        |
| Menthol             | < MRL          | 0.09        |
| Terpineol           | < MRL          | 0.09        |
| Citronellol         | < MRL          | 0.09        |
| Isopulegol          | < MRL          | 0.09        |
| Geraniol            | < MRL          | 0.09        |
| Alpha-cedrene       | < MRL          | 0.07        |
| Beta-Caryophyllene  | 0.30           | 0.09        |
| Farnesene           | < MRL          | 0.09        |
| alpha-Humulene      | 0.17           | 0.09        |
| Valencene           | < MRL          | 0.09        |
| cis-Nerolidol       | < MRL          | 0.04        |
| trans-Nerolidol     | < MRL          | 0.05        |
| Caryophyllene oxide | < MRL          | 0.09        |
| Guaiol              | 0.09           | 0.09        |
| alpha-Bisabolol     | 0.10           | 0.09        |

MRL = Minimum reporting limit/limit of quantification

Test ID: #99155 | Date Tested: 03/13/2025 09:22 AM

| Terpenes Summary              | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| <b>Total Terpenes (% w/w)</b> | 1.17   | 10    | PASS      |



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

**Residual Solvents: JPPDIF-0425-003 (20250310-EMNY-027)**

**PASS**

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (GC-MS: SOP-067-GA, SOP-010-GA)

| Analyte                                 | Pass/Fail | Result (µg/g) | Limit (µg/g) | MRL (µg/g) |
|---|-----------|---------------|--------------|------------|
| 1,2-Dichloroethane                      | PASS      | < MRL         | 5            | 4.009      |
| 2-Propanol                              | PASS      | < MRL         | 5000         | 600.661    |
| Acetone                                 | PASS      | < MRL         | 5000         | 120.132    |
| Acetonitrile                            | PASS      | < MRL         | 410          | 49.254     |
| Butanes, total                          | PASS      | < MRL         | 5000         | 600.661    |
| Benzene                                 | PASS      | < MRL         | 2            | 0.802      |
| Chloroform                              | PASS      | < MRL         | 60           | 7.208      |
| Dichloromethane                         | PASS      | < MRL         | 600          | 72.079     |
| Dimethyl Sulfoxide                      | PASS      | < MRL         | 5000         | 1081.189   |
| Ethanol                                 | PASS      | < MRL         | 5000         | 600.661    |
| Ethyl acetate                           | PASS      | < MRL         | 5000         | 600.661    |
| Ethyl ether                             | PASS      | < MRL         | 5000         | 600.661    |
| n-Heptane                               | PASS      | < MRL         | 5000         | 600.661    |
| Hexanes, total                          | PASS      | < MRL         | 290          | 34.838     |
| Methanol                                | PASS      | < MRL         | 3000         | 360.397    |
| Pentanes, total                         | PASS      | < MRL         | 5000         | 600.661    |
| Propane                                 | PASS      | < MRL         | 5000         | 600.661    |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS      | < MRL         | 1000         | 389.228    |
| Toluene                                 | PASS      | < MRL         | 890          | 106.918    |
| Trichloroethane                         | PASS      | < MRL         | 1500         | 1081.189   |
| Xylenes, total                          | PASS      | < MRL         | 2170         | 260.688    |

MRL = Minimum reporting limit/limit of quantification

Test ID: #99153 | Date Tested: 03/13/2025 07:03 AM



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

**Pesticides: JPPDIF-0425-003 (20250310-EMNY-027)**

**PASS**

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)

| 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         | 0.250      |
| Chlorfenapyr            | PASS      | < MRL         | 1.00         | 0.050      |
| 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         | 1.00         | 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         | 0.20         | 0.050      |
| 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         | 1.00         | 0.250      |
| 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: #99154 | Date Tested: 03/15/2025 07:47 AM



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. 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.

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

| Mycotoxins: JPPDIF-0425-003 (20250310-EMNY-027)   |           |               |  |            | PASS |
|---|-----------|---------------|--|------------|------|
| Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA) |           |               |  |            |      |
| 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: #99150   Date Tested: 03/15/2025 07:48 AM |            |      |

| Heavy Metals: JPPDIF-0425-003 (20250310-EMNY-027)   |           |               |  |            | PASS |
|---|-----------|---------------|--|------------|------|
| Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS: SOP-061-NY, SOP-072-GA) |           |               |  |            |      |
| 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: #99151   Date Tested: 03/12/2025 07:39 AM |            |      |

| Microbiological Screen: JPPDIF-0425-003 (20250310-EMNY-027)  |           |                 |  |             | PASS |
|--|-----------|-----------------|--|-------------|------|
| Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration (qPCR; SOP-700-NY, SOP-701-NY) |           |                 |  |             |      |
| Analyte  | Pass/Fail | Results (CFU/g) | Limit (CFU/g)                                      | MRL (CFU/g) |      |
| Total Aerobic Bacteria   | PASS      | 1909            | None   | 100         |      |
| Total Yeast & Mold   | PASS      | 14727           | None   | 100         |      |
| Salmonella spp   | PASS      | Absent          | Absent   | 1           |      |
| Shiga toxin-producing E. coli  | PASS      | Absent          | Absent   | 1           |      |
| Aspergillus (fumigatus, flavus, niger, terreus)  | PASS      | Absent          | Absent   | 1           |      |
| MRL = Minimum reporting limit/limit of quantification  |           |                 | Test ID: #99157   Date Tested: 03/13/2025 07:25 AM |             |      |

| Moisture Content: JPPDIF-0425-003 (20250310-EMNY-027)                 |           |            |  |  | PASS |
|---|-----------|------------|--|--|------|
| Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA) |           |            |  |  |      |
| Analyte   | Pass/Fail | Result (%) | Limit (%)  |  |      |
| Moisture  | PASS      | 5.6        | 15   |  |      |
| MRL = Minimum reporting limit/limit of quantification                 |           |            | Test ID: #99156   Date Tested: 03/20/2025 06:00 AM |  |      |

| Water Activity: JPPDIF-0425-003 (20250310-EMNY-027)                              |           |                          |  |  | 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      | 0.22                     | 0.65   |  |      |
| MRL = Minimum reporting limit/limit of quantification                            |           |                          | Test ID: #99158   Date Tested: 03/20/2025 06:00 AM |  |      |



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

**Filth and Foreign Material: JPPDIF-0425-003 (20250310-EMNY-027)****PASS**

Filth 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: #99152 | Date Tested: 03/20/2025 06:00 AM



Matthew Elmes  
Lab Director  
3/21/2025

