

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>     | 6/14/2025                 | <b>Sample ID:</b>        | 20250605-EMNY-025 |
| <b>Client Name:</b>       | Empire Standard LLC       | <b>Sample Name:</b>      | HGLR-0725-007     |
| <b>Sampling Location:</b> | Binghamton, New York      | <b>Sample Matrix:</b>    | Concentrate       |
| <b>Contact Name:</b>      | Empire Standard LLC       | <b>Sample Sub Type:</b>  | Cartridge         |
| <b>Contact Email:</b>     | info@empirestandardny.com | <b>Package ID:</b>       | HGLR-0725-007     |
| <b>License Number:</b>    | OCM-PROC-24-000202        | <b>Batch Lot ID:</b>     | HGLR-0725-007     |
| <b>Medical/Adult Use:</b> | Adult Use                 | <b>Batch Size:</b>       | 3200              |
| <b>Sampling Date:</b>     | 06/05/2025 10:00:00 AM    | <b>Serving Size (g):</b> | 2                 |

|                       |          |                        |          |                                     |          |                   |          |
|-----------------------|----------|------------------------|----------|-------------------------------------|----------|-------------------|----------|
| <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>-</b> | <b>Microbiological</b> | <b>P</b> | <b>Residual Solvents</b>            | <b>P</b> | <b>Terpenes</b>   | <b>P</b> |
|                       |          | <b>Moisture</b>        | <b>-</b> | <b>Filth &amp; Foreign Material</b> | <b>-</b> |                   |          |

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

### Cannabinoids: HGLR-0725-007 (20250605-EMNY-025)

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

| Analyte   | % w/w  | mg/serving | MRL (% w/w) |
|-----------|--------|------------|-------------|
| CBDV      | < MRL  | < MRL      | 0.310       |
| CBDA      | < MRL  | < MRL      | 0.310       |
| CBGA      | < MRL  | < MRL      | 0.310       |
| CBG       | 2.037  | 40.740     | 0.310       |
| CBD       | < MRL  | < MRL      | 0.310       |
| THCV      | 0.619  | 12.370     | 0.310       |
| CBN       | 0.559  | 11.170     | 0.310       |
| D9-THC    | 91.221 | 1824.430   | 0.310       |
| D8-THC    | < MRL  | < MRL      | 0.310       |
| D10-THC-S | < MRL  | < MRL      | 0.310       |
| D10-THC-R | < MRL  | < MRL      | 0.310       |
| CBC       | 1.033  | 20.650     | 0.310       |
| THCA      | < MRL  | < MRL      | 0.310       |

MRL = Minimum reporting limit/limit of quantification  
mg/serving = % w/w x10 x serving size weight (g)

Test ID: #113695 | Date Tested: 06/11/2025 05:46 AM

| Potency Summary                                                                              | % w/w  | mg/serving |
|----------------------------------------------------------------------------------------------|--------|------------|
| <b>Total THC</b> [ $\Delta^8$ -THC + $\Delta^9$ -THC + $\Delta^{10}$ -THC + (THCA * 0.877) ] | 91.221 | 1824.430   |
| <b>Total CBD</b> [ CBD + (CBDA * 0.877) ]                                                    | < MRL  | < MRL      |
| <b>Total Cannabinoids</b>                                                                    | 95.469 | 1909.360   |



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### Terpenes: HGLR-0725-007 (20250605-EMNY-025)

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

| Analyte             | Result (% w/w) | MRL (% w/w) |
|---------------------|----------------|-------------|
| alpha-Pinene        | < MRL          | 0.10        |
| Camphene            | < MRL          | 0.10        |
| Sabinene            | < MRL          | 0.10        |
| beta-Pinene         | < MRL          | 0.10        |
| beta-Myrcene        | < MRL          | 0.10        |
| Alpha-phellandrene  | < MRL          | 0.10        |
| Carene              | < MRL          | 0.10        |
| alpha-terpinene     | < MRL          | 0.10        |
| p-Cymene            | < MRL          | 0.10        |
| Limonene            | < MRL          | 0.10        |
| Eucalyptol          | < MRL          | 0.10        |
| Ocimene             | < MRL          | 0.07        |
| gamma-Terpinene     | < MRL          | 0.10        |
| Sabinene Hydrate    | < MRL          | 0.10        |
| Terpinolene         | < MRL          | 0.10        |
| Linalool            | < MRL          | 0.10        |
| Fenchol             | < MRL          | 0.10        |
| Menthol             | < MRL          | 0.10        |
| Terpineol           | < MRL          | 0.10        |
| Citronellol         | < MRL          | 0.10        |
| Isopulegol          | < MRL          | 0.10        |
| Geraniol            | < MRL          | 0.10        |
| Alpha-cedrene       | < MRL          | 0.08        |
| Beta-Caryophyllene  | < MRL          | 0.10        |
| Farnesene           | < MRL          | 0.10        |
| alpha-Humulene      | < MRL          | 0.10        |
| Valencene           | < MRL          | 0.10        |
| cis-Nerolidol       | < MRL          | 0.04        |
| trans-Nerolidol     | < MRL          | 0.06        |
| Caryophyllene oxide | < MRL          | 0.10        |
| Guaial              | < MRL          | 0.10        |
| alpha-Bisabolol     | < MRL          | 0.10        |

MRL = Minimum reporting limit/limit of quantification

Test ID: #113700 | Date Tested: 06/11/2025 08:01 AM

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



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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### Residual Solvents: HGLR-0725-007 (20250605-EMNY-025)

**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            | 3.569      |
| 2-Propanol                              | PASS      | < MRL         | 5000         | 534.708    |
| Acetone                                 | PASS      | < MRL         | 5000         | 1100.108   |
| Acetonitrile                            | PASS      | < MRL         | 410          | 43.846     |
| Butanes, total                          | PASS      | < MRL         | 5000         | 534.708    |
| Benzene                                 | PASS      | < MRL         | 2            | 0.714      |
| Chloroform                              | PASS      | < MRL         | 60           | 6.417      |
| Dichloromethane                         | PASS      | < MRL         | 600          | 64.165     |
| Dimethyl Sulfoxide                      | PASS      | < MRL         | 5000         | 962.474    |
| Ethanol                                 | PASS      | < MRL         | 5000         | 534.708    |
| Ethyl acetate                           | PASS      | < MRL         | 5000         | 534.708    |
| Ethyl ether                             | PASS      | < MRL         | 5000         | 534.708    |
| n-Heptane                               | PASS      | < MRL         | 5000         | 534.708    |
| Hexanes, total                          | PASS      | < MRL         | 290          | 31.013     |
| Methanol                                | PASS      | < MRL         | 3000         | 320.825    |
| Pentanes, total                         | PASS      | < MRL         | 5000         | 534.708    |
| Propane                                 | PASS      | < MRL         | 5000         | 534.708    |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS      | < MRL         | 1000         | 346.491    |
| Toluene                                 | PASS      | < MRL         | 890          | 95.178     |
| Trichloroethane                         | PASS      | < MRL         | 1500         | 962.474    |
| Xylenes, total                          | PASS      | < MRL         | 2170         | 232.064    |

MRL = Minimum reporting limit/limit of quantification

Test ID: #113698 | Date Tested: 06/12/2025 06:12 AM



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.

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Laboratory determined measurement uncertainty is available by request.

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**Pesticides: HGLR-0725-007 (20250605-EMNY-025)**

**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: #113699 | Date Tested: 06/12/2025 05:50 AM



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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### Mycotoxins: HGLR-0725-007 (20250605-EMNY-025)

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: #113696 | Date Tested: 06/12/2025 07:33 AM

### Heavy Metals: HGLR-0725-007 (20250605-EMNY-025)

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         | 2.0          | 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: #113697 | Date Tested: 06/13/2025 05:00 AM

### Microbiology - Plating: HGLR-0725-007 (20250605-EMNY-025)

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      | < MRL           | 10000         | 100         |
| Total Yeast & Mold     | PASS      | < MRL           | 1000          | 100         |

### 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           |
| 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: #113701 | Date Tested: 06/11/2025 04:45 AM



Matthew Elmes  
Lab Director  
6/14/2025

