

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>     | 10/16/2024                | <b>Sample ID:</b>        | 20241011-EMNY-005 |
| <b>Client Name:</b>       | Empire Standard LLC       | <b>Sample Name:</b>      | HGLR-1124-005     |
| <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-1124-005     |
| <b>License Number:</b>    | OCM-AUCP-22-000038        | <b>Batch Lot ID:</b>     | HGLR-1124-005     |
| <b>Medical/Adult Use:</b> | Adult Use                 | <b>Batch Size:</b>       | 4000              |
| <b>Sampling Date:</b>     | 10/11/2024 12:00:00 PM    | <b>Serving Size (g):</b> | 1                 |

|                       |          |                        |          |                                     |          |                   |          |
|-----------------------|----------|------------------------|----------|-------------------------------------|----------|-------------------|----------|
| <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-1124-005 (20241011-EMNY-005)

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

| Analyte   | % w/w  | mg/serving | MRL (% w/w) |
|-----------|--------|------------|-------------|
| CBDV      | < MRL  | < MRL      | 0.500       |
| CBDA      | < MRL  | < MRL      | 0.500       |
| CBGA      | < MRL  | < MRL      | 0.500       |
| CBG       | 1.798  | 17.977     | 0.500       |
| CBD       | 1.410  | 14.103     | 0.500       |
| THCV      | < MRL  | < MRL      | 0.500       |
| CBN       | < MRL  | < MRL      | 0.500       |
| D9-THC    | 81.934 | 819.340    | 0.500       |
| D8-THC    | < MRL  | < MRL      | 0.500       |
| D10-THC-S | < MRL  | < MRL      | 0.500       |
| D10-THC-R | < MRL  | < MRL      | 0.500       |
| CBC       | 0.870  | 8.697      | 0.500       |
| THCA      | < MRL  | < MRL      | 0.500       |

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

Test ID: #78053 | Date Tested: 10/14/2024 10:45 AM

| Potency Summary                                                                            | % w/w  | mg/serving |
|--------------------------------------------------------------------------------------------|--------|------------|
| <b>Total THC</b> [ $\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877) ] | 81.934 | 819.340    |
| <b>Total CBD</b> [ CBD + (CBDA * 0.877) ]                                                  | 1.410  | 14.103     |
| <b>Total Cannabinoids</b>                                                                  | 86.012 | 860.117    |



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### Terpenes: HGLR-1124-005 (20241011-EMNY-005)

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

| Analyte             | Result (% w/w) | MRL (% w/w) |
|---------------------|----------------|-------------|
| alpha-Pinene        | < MRL          | 0.11        |
| Camphene            | < MRL          | 0.11        |
| Sabinene            | < MRL          | 0.11        |
| beta-Pinene         | < MRL          | 0.11        |
| beta-Myrcene        | 0.13           | 0.11        |
| Alpha-phellandrene  | < MRL          | 0.11        |
| Carene              | < MRL          | 0.11        |
| alpha-terpinene     | < MRL          | 0.11        |
| p-Cymene            | < MRL          | 0.11        |
| Limonene            | 0.17           | 0.11        |
| Eucalyptol          | < MRL          | 0.11        |
| Ocimene             | < MRL          | 0.08        |
| gamma-Terpinene     | < MRL          | 0.11        |
| Sabinene Hydrate    | < MRL          | 0.11        |
| Terpinolene         | 0.52           | 0.11        |
| Linalool            | 0.64           | 0.11        |
| Fenchol             | < MRL          | 0.11        |
| Menthol             | < MRL          | 0.11        |
| Terpineol           | < MRL          | 0.11        |
| Citronellol         | < MRL          | 0.11        |
| Isopulegol          | < MRL          | 0.11        |
| Geraniol            | < MRL          | 0.11        |
| Alpha-cedrene       | < MRL          | 0.09        |
| Beta-Caryophyllene  | < MRL          | 0.11        |
| Farnesene           | < MRL          | 0.11        |
| alpha-Humulene      | 0.23           | 0.11        |
| Valencene           | < MRL          | 0.11        |
| cis-Nerolidol       | < MRL          | 0.04        |
| trans-Nerolidol     | < MRL          | 0.07        |
| Caryophyllene oxide | < MRL          | 0.11        |
| Guaial              | < MRL          | 0.11        |
| alpha-Bisabolol     | < MRL          | 0.11        |

MRL = Minimum reporting limit/limit of quantification

Test ID: #78059 | Date Tested: 10/14/2024 02:58 PM

| Terpenes Summary              | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| <b>Total Terpenes (% w/w)</b> | 1.69   | 10    | PASS      |



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### Residual Solvents: HGLR-1124-005 (20241011-EMNY-005)

**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            | 4.509      |
| 2-Propanol                              | PASS      | < MRL         | 5000         | 675.494    |
| Acetone                                 | PASS      | < MRL         | 5000         | 135.099    |
| Acetonitrile                            | PASS      | < MRL         | 410          | 55.391     |
| Butanes, total                          | PASS      | < MRL         | 5000         | 675.494    |
| Benzene                                 | PASS      | < MRL         | 2            | 0.902      |
| Chloroform                              | PASS      | < MRL         | 60           | 8.106      |
| Dichloromethane                         | PASS      | < MRL         | 600          | 81.059     |
| Dimethyl Sulfoxide                      | PASS      | < MRL         | 5000         | 1215.889   |
| Ethanol                                 | PASS      | < MRL         | 5000         | 675.494    |
| Ethyl acetate                           | PASS      | < MRL         | 5000         | 675.494    |
| Ethyl ether                             | PASS      | < MRL         | 5000         | 675.494    |
| n-Heptane                               | PASS      | < MRL         | 5000         | 675.494    |
| Hexanes, total                          | PASS      | < MRL         | 290          | 39.179     |
| Methanol                                | PASS      | < MRL         | 3000         | 405.297    |
| Pentanes, total                         | PASS      | < MRL         | 5000         | 675.494    |
| Propane                                 | PASS      | < MRL         | 5000         | 675.494    |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS      | < MRL         | 1000         | 437.720    |
| Toluene                                 | PASS      | < MRL         | 890          | 120.238    |
| Trichloroethane                         | PASS      | < MRL         | 1500         | 1215.889   |
| Xylenes, total                          | PASS      | < MRL         | 2170         | 293.165    |

MRL = Minimum reporting limit/limit of quantification

Test ID: #78058 | Date Tested: 10/16/2024 03:03 PM



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**Pesticides: HGLR-1124-005 (20241011-EMNY-005)**

**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: #78057 | Date Tested: 10/14/2024 02:58 PM



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.

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| Mycotoxins: HGLR-1124-005 (20241011-EMNY-005)                                                             |           |               |                                                    |            | 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: #78056   Date Tested: 10/14/2024 02:58 PM |            |      |

| Heavy Metals: HGLR-1124-005 (20241011-EMNY-005)                                                               |           |               |                                                    |            | 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: #78054   Date Tested: 10/14/2024 09:35 AM |            |      |

| Microbiological Screen: HGLR-1124-005 (20241011-EMNY-005)                                                                    |           |                 |                                                    |             | 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      | < MRL           | 10000                                              | 100         |      |
| Total Yeast & Mold                                                                                                           | PASS      | < MRL           | 1000                                               | 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: #78055   Date Tested: 10/16/2024 03:23 PM |             |      |



Matthew Elmes  
Lab Director  
10/16/2024



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