

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

| | | | |
|---------------------------|---------------------------|--------------------------|-------------------|
| Date Reported: | 10/8/2025 | Sample ID: | 20251002-EMNY-011 |
| Client Name: | Empire Standard LLC | Sample Name: | FG-VNHY-01 |
| Sampling Location: | Binghamton, New York | Sample Matrix: | Flower |
| Contact Name: | Empire Standard LLC | Sample Sub Type: | Infused Pre-roll |
| Contact Email: | info@empirestandardny.com | Package ID: | FG-VNHY-01 |
| License Number: | OCM-PROC-24-000202 | Batch Lot ID: | FG-VNHY-01 |
| Medical/Adult Use: | Adult Use | Batch Size: | 5000 |
| Sampling Date: | 10/02/2025 11:35:00 AM | Serving Size (g): | 1 |

| | | | | | | | |
|-----------------------|----------|------------------------|----------|-------------------------------------|----------|-------------------|----------|
| Potency | T | Pesticides | P | Heavy Metals | P | Mycotoxins | P |
| Water Activity | P | Microbiological | P | Residual Solvents | P | Terpenes | P |
| | | Moisture | P | Filth & Foreign Material | - | | |

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

| Cannabinoids: FG-VNHY-01 (20251002-EMNY-011) | | | |
|---|--------|------------|---|
| Potency analysis utilizing HPLC (SOP-025-NY, SOP-073-NY) | | | |
| Analyte | % w/w | mg/serving | MRL (% w/w) |
| CBDV | < MRL | < MRL | 0.190 |
| CBDA | < MRL | < MRL | 0.190 |
| CBGA | 0.620 | 6.201 | 0.190 |
| CBG | < MRL | < MRL | 0.190 |
| CBD | < MRL | < MRL | 0.190 |
| THCV | < MRL | < MRL | 0.190 |
| CBN | < MRL | < MRL | 0.190 |
| D9-THC | 4.697 | 46.967 | 0.190 |
| D8-THC | < MRL | < MRL | 0.190 |
| D10-THC-S | < MRL | < MRL | 0.190 |
| D10-THC-R | < MRL | < MRL | 0.190 |
| CBC | < MRL | < MRL | 0.190 |
| THCA | 35.337 | 353.369 | 0.190 |
| 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: #147451 Date Tested: 10/06/2025 11:33 AM |

| Potency Summary | % w/w | mg/serving |
|---|--------|------------|
| Total THC [Δ8-THC + Δ9-THC + Δ10-THC + (THCA * 0.877)] | 35.687 | 356.872 |
| Total CBD [CBD + (CBDA * 0.877)] | < MRL | < MRL |
| Total Cannabinoids | 40.654 | 406.538 |



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: FG-VNHY-01 (20251002-EMNY-011)

PASS

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

| Analyte | Result (% w/w) | MRL (% w/w) |
|---------------------|----------------|-------------|
| alpha-Pinene | < MRL | 0.12 |
| Camphene | < MRL | 0.12 |
| Sabinene | < MRL | 0.12 |
| beta-Pinene | < MRL | 0.12 |
| beta-Myrcene | < MRL | 0.12 |
| Alpha-phellandrene | < MRL | 0.12 |
| Carene | < MRL | 0.12 |
| alpha-terpinene | < MRL | 0.12 |
| p-Cymene | < MRL | 0.12 |
| Limonene | < MRL | 0.12 |
| Eucalyptol | < MRL | 0.12 |
| Ocimene | < MRL | 0.08 |
| gamma-Terpinene | < MRL | 0.12 |
| Sabinene Hydrate | < MRL | 0.12 |
| Terpinolene | < MRL | 0.12 |
| Linalool | < MRL | 0.12 |
| Fenchol | < MRL | 0.12 |
| Menthol | < MRL | 0.12 |
| Terpineol | < MRL | 0.12 |
| Citronellol | < MRL | 0.12 |
| Isopulegol | < MRL | 0.12 |
| Geraniol | < MRL | 0.12 |
| Alpha-cedrene | < MRL | 0.09 |
| Beta-Caryophyllene | 0.20 | 0.12 |
| Farnesene | < MRL | 0.12 |
| alpha-Humulene | < MRL | 0.12 |
| Valencene | < MRL | 0.12 |
| cis-Nerolidol | < MRL | 0.05 |
| trans-Nerolidol | < MRL | 0.07 |
| Caryophyllene oxide | < MRL | 0.12 |
| Guaiol | < MRL | 0.12 |
| alpha-Bisabolol | < MRL | 0.12 |

MRL = Minimum reporting limit/limit of quantification

Test ID: #147455 | Date Tested: 10/07/2025 01:52 PM

| Terpenes Summary | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| Total Terpenes (% w/w) | 0.20 | 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: FG-VNHY-01 (20251002-EMNY-011)

PASS

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

| Analyte | Pass/Fail | Result (µg/g) | Limit (µg/g) | MRL (µg/g) |
|---|-----------|---------------|--------------|------------|
| 1,2-Dichloroethane | PASS | < MRL | 5 | 3.500 |
| 2-Propanol | PASS | < MRL | 5000 | 500.000 |
| Acetone | PASS | < MRL | 5000 | 2000.000 |
| Acetonitrile | PASS | < MRL | 410 | 40.000 |
| Butanes, total | PASS | < MRL | 5000 | 2500.000 |
| Benzene | PASS | < MRL | 2 | 0.650 |
| Chloroform | PASS | < MRL | 60 | 6.000 |
| Dichloromethane | PASS | < MRL | 600 | 60.000 |
| Dimethyl Sulfoxide | PASS | < MRL | 5000 | 1000.000 |
| Ethanol | PASS | < MRL | 5000 | 500.000 |
| Ethyl acetate | PASS | < MRL | 5000 | 500.000 |
| Ethyl ether | PASS | < MRL | 5000 | 500.000 |
| n-Heptane | PASS | < MRL | 5000 | 500.000 |
| Hexanes, total | PASS | < MRL | 290 | 30.000 |
| Methanol | PASS | < MRL | 3000 | 300.000 |
| Pentanes, total | PASS | < MRL | 5000 | 500.000 |
| Propane | PASS | < MRL | 5000 | 500.000 |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS | < MRL | 1000 | 400.000 |
| Toluene | PASS | < MRL | 890 | 100.000 |
| Trichloroethane | PASS | < MRL | 1500 | 1000.000 |
| Xylenes, total | PASS | < MRL | 2170 | 250.000 |

MRL = Minimum reporting limit/limit of quantification

Test ID: #147454 | Date Tested: 10/07/2025 09:25 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: FG-VNHY-01 (20251002-EMNY-011)

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: #147448 | Date Tested: 10/06/2025 04:44 PM



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: FG-VNHY-01 (20251002-EMNY-011) | | | | | 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: #147449 Date Tested: 10/06/2025 04:50 PM | | |

| Heavy Metals: FG-VNHY-01 (20251002-EMNY-011) | | | | | 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: #147447 Date Tested: 10/03/2025 10:12 PM | | |

| Microbiology - Plating: FG-VNHY-01 (20251002-EMNY-011) | | | | | 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 | 2410000 | None | 100.0 | |
| Total Yeast & Mold | PASS | 25455 | 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: #147457, #147456, #147459, #147458 Date Tested: 10/07/2025 03:41 PM, 10/06/2025 10:39 AM, 10/08/2025 08:59 AM, 10/08/2025 08:35 AM | | |

| Moisture: FG-VNHY-01 (20251002-EMNY-011) | | | | PASS |
|---|-----------|------------|---|------|
| Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA) | | | | |
| Analyte | Pass/Fail | Result (%) | Limit (%) | |
| Moisture | PASS | 6.9 | 15 | |
| MRL = Minimum reporting limit/limit of quantification | | | Test ID: #147450 Date Tested: 10/03/2025 09:04 AM | |



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| Water Activity: FG-VNHY-01 (20251002-EMNY-011) | | | PASS |
|--|-----------|---|-------------------------|
| Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA) | | | |
| Analyte | Pass/Fail | Result (a _w) | Limit (a _w) |
| Water Activity | PASS | 0.52 | 0.65 |
| MRL = Minimum reporting limit/limit of quantification | | Test ID: #147446 Date Tested: 10/03/2025 08:22 AM | |



Matthew Elmes
 Lab Director
 10/8/2025



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