

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: | 1/28/2025 | Sample ID: | 20250116-EMNY-015 |
| Client Name: | Empire Standard LLC | Sample Name: | JPD-0325-002 |
| Sampling Location: | Binghamton, New York | Sample Matrix: | Concentrate |
| Contact Name: | Empire Standard LLC | Sample Sub Type: | Diamonds |
| Contact Email: | info@empirestandardny.com | Package ID: | JPD-0325-002 |
| License Number: | OCM-PROC-24-000202 | Batch Lot ID: | JPD-0325-002 |
| Medical/Adult Use: | Adult Use | Batch Size: | 1000 |
| Sampling Date: | 01/16/2025 12:00:00 PM | Serving Size (g): | 1 |

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

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

| Cannabinoids: JPD-0325-002 (20250116-EMNY-015) | | | |
|---|--------|------------|-------------|
| Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA) | | | |
| Analyte | % w/w | mg/serving | MRL (% w/w) |
| CBDV | < MRL | < MRL | 0.992 |
| CBDA | < MRL | < MRL | 0.992 |
| CBGA | 1.340 | 13.400 | 0.992 |
| CBG | < MRL | < MRL | 0.992 |
| CBD | < MRL | < MRL | 0.992 |
| THCV | < MRL | < MRL | 0.992 |
| CBN | < MRL | < MRL | 0.992 |
| D9-THC | 4.181 | 41.807 | 0.992 |
| D8-THC | < MRL | < MRL | 0.992 |
| D10-THC-S | < MRL | < MRL | 0.992 |
| D10-THC-R | < MRL | < MRL | 0.992 |
| CBC | < MRL | < MRL | 0.992 |
| THCA | 93.617 | 936.165 | 0.992 |

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

Test ID: #92245 | Date Tested: 01/22/2025 02:18 PM

| Potency Summary | % w/w | mg/serving |
|---|--------|------------|
| Total THC [$\Delta^8\text{-THC} + \Delta^9\text{-THC} + \Delta^{10}\text{-THC} + (\text{THCA} * 0.877)$] | 86.282 | 862.823 |
| Total CBD [$\text{CBD} + (\text{CBDA} * 0.877)$] | < MRL | < MRL |
| Total Cannabinoids | 99.138 | 991.372 |



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Terpenes: JPD-0325-002 (20250116-EMNY-015)

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 | 0.43 | 0.11 |
| Alpha-phellandrene | < MRL | 0.11 |
| Carene | < MRL | 0.11 |
| alpha-terpinene | < MRL | 0.11 |
| p-Cymene | < MRL | 0.11 |
| Limonene | 0.40 | 0.11 |
| Eucalyptol | < MRL | 0.11 |
| Ocimene | < MRL | 0.08 |
| gamma-Terpinene | < MRL | 0.11 |
| Sabinene Hydrate | < MRL | 0.11 |
| Terpinolene | < MRL | 0.11 |
| Linalool | 0.14 | 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 | 0.24 | 0.11 |
| Farnesene | 0.19 | 0.11 |
| alpha-Humulene | 0.19 | 0.11 |
| Valencene | < MRL | 0.11 |
| cis-Nerolidol | < MRL | 0.05 |
| trans-Nerolidol | < MRL | 0.07 |
| Caryophyllene oxide | < MRL | 0.11 |
| Guaiol | < MRL | 0.11 |
| alpha-Bisabolol | < MRL | 0.11 |

MRL = Minimum reporting limit/limit of quantification

Test ID: #92251 | Date Tested: 01/20/2025 10:30 AM

| Terpenes Summary | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| Total Terpenes (% w/w) | 1.59 | 10 | PASS |



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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Residual Solvents: JPD-0325-002 (20250116-EMNY-015)

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 | 3.719 |
| 2-Propanol | PASS | < MRL | 5000 | 557.246 |
| Acetone | PASS | < MRL | 5000 | 111.449 |
| Acetonitrile | PASS | < MRL | 410 | 45.694 |
| Butanes, total | PASS | < MRL | 5000 | 557.246 |
| Benzene | PASS | < MRL | 2 | 0.744 |
| Chloroform | PASS | < MRL | 60 | 6.687 |
| Dichloromethane | PASS | < MRL | 600 | 66.869 |
| Dimethyl Sulfoxide | PASS | < MRL | 5000 | 1003.042 |
| Ethanol | PASS | < MRL | 5000 | 557.246 |
| Ethyl acetate | PASS | < MRL | 5000 | 557.246 |
| Ethyl ether | PASS | < MRL | 5000 | 557.246 |
| n-Heptane | PASS | < MRL | 5000 | 557.246 |
| Hexanes, total | PASS | < MRL | 290 | 32.320 |
| Methanol | PASS | < MRL | 3000 | 334.348 |
| Pentanes, total | PASS | < MRL | 5000 | 557.246 |
| Propane | PASS | < MRL | 5000 | 557.246 |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS | < MRL | 1000 | 361.095 |
| Toluene | PASS | < MRL | 890 | 99.190 |
| Trichloroethane | PASS | < MRL | 1500 | 1003.042 |
| Xylenes, total | PASS | < MRL | 2170 | 241.845 |

MRL = Minimum reporting limit/limit of quantification

Test ID: #92250 | Date Tested: 01/23/2025 08:47 AM



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Pesticides: JPD-0325-002 (20250116-EMNY-015)

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: #92249 | Date Tested: 01/23/2025 08:30 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.

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| Mycotoxins: JPD-0325-002 (20250116-EMNY-015) | | | | | 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: #92248 Date Tested: 01/23/2025 08:30 AM | | |

| Heavy Metals: JPD-0325-002 (20250116-EMNY-015) | | | | | 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: #92246 Date Tested: 01/20/2025 08:51 AM | | |

| Microbiological Screen: JPD-0325-002 (20250116-EMNY-015) | | | | | 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 | 200 | 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: #92247 Date Tested: 01/24/2025 02:03 PM | | |



Matthew Elmes
Lab Director
1/28/2025

Deviations: RSA data associated with a laboratory control standard that was out of specification. Laboratory investigation conducted prior to reporting.

