

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

Sample Result: PASS

| | | | |
|---------------------------|-----------------------------|--------------------------|-------------------|
| Date Reported: | 8/12/2024 | Sample ID: | 20240807-EMNY-018 |
| Client Name: | Empire Standard LLC | Sample Name: | JBBM-1024-005 |
| Sampling Location: | Binghamton, New York | Sample Matrix: | Flower |
| Contact Name: | Frank D | Sample Sub Type: | Infused Pre-Roll |
| Contact Email: | frank@empirestandardnyc.com | Package ID: | JBBM-1024-005 |
| License Number: | OCM-AUCP-22-000038 | Batch Lot ID: | JBBM-1024-005 |
| Medical/Adult Use: | Adult Use | Batch Size: | 1600 |
| Sampling Date: | 08/07/2024 01:00:00 PM | Serving Size (g): | 0.5 |

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

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

Cannabinoids: JBBM-1024-005 (20240807-EMNY-018)

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

| Analyte | % w/w | mg/serving | MRL (% w/w) |
|-----------|--------|------------|-------------|
| CBDV | < MRL | < MRL | 0.086 |
| CBDA | < MRL | < MRL | 0.086 |
| CBGA | 0.600 | 2.999 | 0.086 |
| CBG | 0.228 | 1.139 | 0.086 |
| CBD | < MRL | < MRL | 0.086 |
| THCV | < MRL | < MRL | 0.086 |
| CBN | < MRL | < MRL | 0.086 |
| D9-THC | 6.637 | 33.183 | 0.086 |
| D8-THC | < MRL | < MRL | 0.086 |
| D10-THC-S | < MRL | < MRL | 0.086 |
| D10-THC-R | < MRL | < MRL | 0.086 |
| CBC | < MRL | < MRL | 0.086 |
| THCA | 33.353 | 166.766 | 0.086 |

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: #70070 | Date Tested: 08/08/2024 03:42 PM

| Potency Summary | % w/w | mg/serving |
|--|--------|------------|
| Total THC [Δ^8 -THC + Δ^9 -THC + Δ^{10} -THC + (THCA * 0.877)] | 35.887 | 179.437 |
| Total CBD [CBD + (CBDA * 0.877)] | < MRL | < MRL |
| Total Cannabinoids | 40.818 | 204.087 |



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Terpenes: JBBM-1024-005 (20240807-EMNY-018)

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 | < MRL | 0.11 |
| Alpha-phellandrene | < MRL | 0.11 |
| Carene | < MRL | 0.11 |
| alpha-terpinene | < MRL | 0.11 |
| p-Cymene | < MRL | 0.11 |
| Limonene | 0.14 | 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 | 0.20 | 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 | 0.35 | 0.11 |
| Farnesene | < MRL | 0.11 |
| alpha-Humulene | 0.18 | 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: #70078 | Date Tested: 08/10/2024 03:16 PM

| Terpenes Summary | Result | Limit | Pass/Fail |
|-------------------------------|--------|-------|-----------|
| Total Terpenes (% w/w) | 0.87 | 10 | PASS |



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Residual Solvents: JBBM-1024-005 (20240807-EMNY-018)

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 | 3.762 |
| 2-Propanol | PASS | < MRL | 5000 | 563.684 |
| Acetone | PASS | 113.5 | 5000 | 112.737 |
| Acetonitrile | PASS | < MRL | 410 | 46.222 |
| Butanes, total | PASS | < MRL | 5000 | 563.684 |
| Benzene | PASS | < MRL | 2 | 0.752 |
| Chloroform | PASS | < MRL | 60 | 6.764 |
| Dichloromethane | PASS | < MRL | 600 | 67.642 |
| Dimethyl Sulfoxide | PASS | < MRL | 5000 | 1014.630 |
| Ethanol | PASS | < MRL | 5000 | 563.684 |
| Ethyl acetate | PASS | < MRL | 5000 | 563.684 |
| Ethyl ether | PASS | < MRL | 5000 | 563.684 |
| n-Heptane | PASS | < MRL | 5000 | 563.684 |
| Hexanes, total | PASS | < MRL | 290 | 32.694 |
| Methanol | PASS | < MRL | 3000 | 338.211 |
| Pentanes, total | PASS | < MRL | 5000 | 563.684 |
| Propane | PASS | < MRL | 5000 | 563.684 |
| Tetrafluoroethane (1,1,1,2-) (HFC-134a) | PASS | < MRL | 1000 | 365.267 |
| Toluene | PASS | < MRL | 890 | 100.336 |
| Trichloroethane | PASS | < MRL | 1500 | 1014.630 |
| Xylenes, total | PASS | < MRL | 2170 | 244.640 |

MRL = Minimum reporting limit/limit of quantification

Test ID: #70077 | Date Tested: 08/10/2024 01:57 PM



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Pesticides: JBBM-1024-005 (20240807-EMNY-018)

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: #70076 | Date Tested: 08/10/2024 10:08 AM



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| Mycotoxins: JBBM-1024-005 (20240807-EMNY-018) | | | | | 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: #70075 Date Tested: 08/10/2024 10:09 AM | | |

| Heavy Metals: JBBM-1024-005 (20240807-EMNY-018) | | | | | 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 | 0.3 | 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: #70072 Date Tested: 08/09/2024 11:33 AM | | |

| Microbiological Screen: JBBM-1024-005 (20240807-EMNY-018) | | | | | 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 | 2700 | None | 100 | |
| Total Yeast & Mold | PASS | < MRL | 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: #70073 Date Tested: 08/10/2024 03:29 PM | | |

| Moisture: JBBM-1024-005 (20240807-EMNY-018) | | | | | PASS |
|---|-----------|------------|--|--|------|
| Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA) | | | | | |
| Analyte | Pass/Fail | Result (%) | Limit (%) | | |
| Moisture | PASS | 7.0 | 15 | | |
| MRL = Minimum reporting limit/limit of quantification | | | Test ID: #70074 Date Tested: 08/08/2024 03:41 PM | | |

| Water Activity: JBBM-1024-005 (20240807-EMNY-018) | | | | | 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 | 0.54 | 0.65 | | |
| MRL = Minimum reporting limit/limit of quantification | | | Test ID: #70079 Date Tested: 08/08/2024 03:41 PM | | |



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Filth and Foreign Material: JBBM-1024-005 (20240807-EMNY-018)**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: #70071 | Date Tested: 08/08/2024 03:42 PM



Matthew Elmes
Lab Director
8/12/2024

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

