

**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final



Date Released: 10/25/2023 9:58:49AM

Report #: 3534

**Blue Dream 150706PR**

Sample #: 2686, Weight: 10.00g, Unit Count:

Order #: X231010-0004

Category/Type: Plant, Preroll

Date Collected: 10/10/2023 5:25:13PM

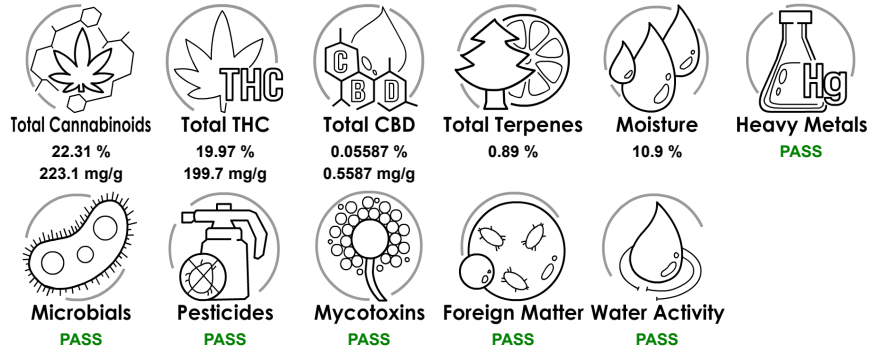
Date Received: 10/10/2023 6:42:43PM

Regulator Sample ID: 150706PR

Regulator Source Package ID: 150706PR

Regulator Batch ID: 150706PR

Size: 10000Units, Unit Count:



**Potency Analysis by HPLC**

Total Cannabinoids: **22.31 % - 223.1 mg/g**  
 Total THC: **19.97 % - 199.7 mg/g**  
 Total CBD: **0.05587 % - 0.5587 mg/g**

Date Completed: 10/12/2023 10:40AM

| Compound | CAS#       | LOQ (%)  | %       | mg/g   | Relative Concentration |
|----------|------------|----------|---------|--------|------------------------|
| THCa     | 23978-85-0 | 0.001000 | 11.75   | 117.5  | [Bar]                  |
| d9-THC   | 1972-08-3  | 0.001000 | 9.668   | 96.68  | [Bar]                  |
| CBGa     | 25555-57-1 | 0.001000 | 0.3309  | 3.309  | [Bar]                  |
| CBG      | 25654-31-3 | 0.001000 | 0.1766  | 1.766  | [Bar]                  |
| CBN      | 521-35-7   | 0.001000 | 0.1543  | 1.543  | [Bar]                  |
| CBC      | 20675-51-8 | 0.001000 | 0.09107 | 0.9107 | [Bar]                  |
| THCV     | 31262-37-0 | 0.001000 | 0.07910 | 0.7910 | [Bar]                  |
| CBDa     | 1244-58-2  | 0.001000 | 0.06371 | 0.6371 | [Bar]                  |
| d8-THC   | 5957-75-5  | 0.001000 | ND      | ND     |                        |
| d10-THC  | 95543-62-7 | 0.001000 | ND      | ND     |                        |
| CBD      | 13956-29-1 | 0.001000 | ND      | ND     |                        |
| CBDV     | 24274-48-4 | 0.001000 | ND      | ND     |                        |

**Test Comment:** Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E  
 Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

*Kelly Greenland*

Dr. Kelly Greenland, Lab Director



# NG Growers inc

1543 Union Center Maine Hwy  
ellen@naticokegardens.com  
607-754-5008  
License #: OCM-AUCC-22-000079

# Certificate of Analysis

Final

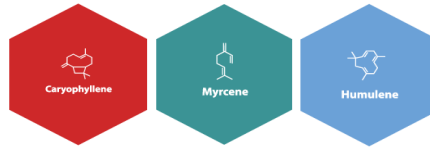


Sample #: 2686

Blue Dream 150706PR

## Terpenes by HS-GC-MS

Date Completed: 10/17/2023 11:11AM



| Compound                | CAS#       | LOQ (%) | %      | Relative Concentration |
|-------------------------|------------|---------|--------|------------------------|
| trans-Caryophyllene     | 87-44-5    | 0.1000  | 0.4495 |                        |
| beta-Myrcene            | 123-35-3   | 0.1000  | 0.1830 |                        |
| beta-Farnesene          | 18794-84-8 | 0.1000  | 0.1427 |                        |
| alpha-Humulene          | 6753-98-6  | 0.1000  | 0.1178 |                        |
| (-)-Borneol             | 464-45-9   | 0.1000  | ND     |                        |
| (-)-Caryophyllene Oxide | 1139-30-6  | 0.1000  | ND     |                        |
| (-)-Isopulegol          | 89-79-2    | 0.1000  | ND     |                        |
| (+)-Borneol             | 464-43-7   | 0.1000  | ND     |                        |
| (+)-Cedrol              | 77-53-2    | 0.1000  | ND     |                        |
| (1R)-(+)-Camphor        | 464-49-3   | 0.1000  | ND     |                        |
| 3-Carene                | 13466-78-9 | 0.1000  | ND     |                        |
| alpha-Bisabolol         | 515-69-5   | 0.1000  | ND     |                        |
| alpha-Cedrene           | 469-61-4   | 0.1000  | ND     |                        |
| alpha-Farnesene         | 502-61-4   | 0.1000  | ND     |                        |
| alpha-Pinene            | 80-56-8    | 0.1000  | ND     |                        |
| alpha-Terpinene         | 99-86-5    | 0.1000  | ND     |                        |
| alpha-Terpineol         | 98-55-5    | 0.1000  | ND     |                        |
| beta-Pinene             | 127-91-3   | 0.1000  | ND     |                        |
| Camphene                | 79-92-5    | 0.1000  | ND     |                        |
| cis-Nerolidol           | 142-50-7   | 0.1000  | ND     |                        |
| cis-Ocimene             | 3338-55-4  | 0.1000  | ND     |                        |
| Endo-Fenchyl Alcohol    | 14575-74-7 | 0.1000  | ND     |                        |

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York  
1809 Vestal Pkwy E  
Vestal, NY 13850  
(607)301-0884  
InfoNY@KeystoneStateTesting.com  
www.KeystoneStateTesting.com  
Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director



**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final

**Sample #: 2686****Blue Dream 150706PR**

| Compound           | CAS#       | LOQ (%) | %  | Relative Concentration |
|--------------------|------------|---------|----|------------------------|
| Eucalyptol         | 470-82-6   | 0.1000  | ND |                        |
| Fenchone           | 1195-79-5  | 0.1000  | ND |                        |
| gamma-Terpinene    | 99-85-4    | 0.1000  | ND |                        |
| gamma-Terpineol    | 586-81-2   | 0.1000  | ND |                        |
| Geraniol           | 106-24-1   | 0.1000  | ND |                        |
| Geranyl Acetate    | 105-87-3   | 0.1000  | ND |                        |
| Guaiol             | 489-86-1   | 0.1000  | ND |                        |
| Hexahydro Thymol   | 15356-70-4 | 0.1000  | ND |                        |
| Linalool           | 78-70-6    | 0.1000  | ND |                        |
| Nerol              | 106-25-2   | 0.1000  | ND |                        |
| p-Mentha-1,5-diene | 99-83-2    | 0.1000  | ND |                        |
| Pulegone           | 89-82-7    | 0.1000  | ND |                        |
| R(+)-Limonene      | 5989-27-5  | 0.1000  | ND |                        |
| Sabinene           | 3387-41-5  | 0.1000  | ND |                        |
| Sabinene Hydrate   | 546-79-2   | 0.1000  | ND |                        |
| Terpinolene        | 586-62-9   | 0.1000  | ND |                        |
| trans-Nerolidol    | 40716-66-3 | 0.1000  | ND |                        |
| trans-Ocimene      | 3779-61-1  | 0.1000  | ND |                        |
| Valencene          | 4630-07-3  | 0.1000  | ND |                        |

**Test Comment:** Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

**Foreign Matter by Microscopy****Pass**

Analysis Date: 10/11/2023 11:06 am

| Compound         | LOQ (%) | Limits (%) | Result (%) | Status |
|------------------|---------|------------|------------|--------|
| % Foreign Matter | 0.00100 | 2.0        | ND         | Pass   |
| Mammalian Exreta | 0.00100 | 0.03       | ND         | Pass   |
| Stems            | 0.00100 | 5.0        | ND         | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E  
 Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director



**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final

**Sample #: 2686****Blue Dream 150706PR****Moisture by Analyzer****Pass**

Analysis Date: 10/12/2023 10:41 am

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2     | 5 - 15     | 10.9       | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Water Activity by Meter****Pass**

Analysis Date: 10/12/2023 10:49 am

| Compound       | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05     | 0.65        | 0.51        | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Pesticides by LCMSMS****Pass**

Analysis Date: 10/19/2023 12:07 pm

| Compound            | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|---------------------|------------|---------------|---------------|--------|
| Abamectin           | 0.0100     | 0.5           | ND            | Pass   |
| Acephate            | 0.0100     | 0.4           | ND            | Pass   |
| Acequinocyl         | 0.0100     | 2             | ND            | Pass   |
| Acetamiprid         | 0.0100     | 0.2           | ND            | Pass   |
| Aldicarb            | 0.0100     | 0.4           | ND            | Pass   |
| Azadirachtin        | 0.0100     | 1             | ND            | Pass   |
| Azoxystrobin        | 0.0100     | 0.2           | ND            | Pass   |
| Bifenazate          | 0.0100     | 0.2           | ND            | Pass   |
| Bifenthrin          | 0.0100     | 0.2           | ND            | Pass   |
| Boscalid            | 0.0100     | 0.4           | ND            | Pass   |
| Captan              | 0.0100     | 1             | ND            | Pass   |
| Carbaryl            | 0.0100     | 0.2           | ND            | Pass   |
| Carbofuran          | 0.0100     | 0.2           | ND            | Pass   |
| Chlorantraniliprole | 0.0100     | 0.2           | ND            | Pass   |
| Chlordane-alpha     | 0.0100     | 1             | ND            | Pass   |
| Chlorfenapyr        | 0.0100     | 1             | ND            | Pass   |

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E

Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director



**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final

**Sample #: 2686****Blue Dream 150706PR****Pesticides by LCMSMS****Pass**

Analysis Date: 10/19/2023 12:07 pm

| Compound             | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------------------|------------|---------------|---------------|--------|
| Chlormequat Chloride | 0.0100     | 1             | ND            | Pass   |
| Chlorpyrifos         | 0.0100     | 0.2           | ND            | Pass   |
| Clofentezine         | 0.0100     | 0.2           | ND            | Pass   |
| Coumaphos            | 0.0100     | 1             | ND            | Pass   |
| Cyfluthrin           | 0.0100     | 1             | ND            | Pass   |
| Cypermethrin         | 0.0100     | 1             | ND            | Pass   |
| Daminozide           | 0.0100     | 1             | ND            | Pass   |
| Diazinon             | 0.0100     | 0.2           | ND            | Pass   |
| Dichlorvos           | 0.0100     | 1             | ND            | Pass   |
| Dimethoate           | 0.0100     | 0.2           | ND            | Pass   |
| Dimethomorph         | 0.0100     | 1             | ND            | Pass   |
| Ethoprophos          | 0.0100     | 0.2           | ND            | Pass   |
| Etofenprox           | 0.0100     | 0.4           | ND            | Pass   |
| Etoxazole            | 0.0100     | 0.2           | ND            | Pass   |
| Fenhexamid           | 0.0100     | 1             | ND            | Pass   |
| Fenoxycarb           | 0.0100     | 0.2           | ND            | Pass   |
| Fenpyroximate        | 0.0100     | 0.4           | ND            | Pass   |
| Fipronil             | 0.0100     | 0.4           | ND            | Pass   |
| Fonicamid            | 0.0100     | 1             | ND            | Pass   |
| Fludioxonil          | 0.0100     | 0.4           | ND            | Pass   |
| Hexythiazox          | 0.0100     | 1             | ND            | Pass   |
| Imazalil             | 0.0100     | 0.2           | ND            | Pass   |
| Imidacloprid         | 0.0100     | 0.4           | ND            | Pass   |
| Indolebutyric Acid   | 0.0100     | 1             | ND            | Pass   |
| Kresoxim-methyl      | 0.0100     | 0.4           | ND            | Pass   |
| Malathion            | 0.0100     | 0.2           | ND            | Pass   |

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E  
 Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director



**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final

**Sample #: 2686****Blue Dream 150706PR****Pesticides by LCMSMS****Pass**

Analysis Date: 10/19/2023 12:07 pm

| Compound                | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| Metalaxyl               | 0.0100     | 0.2           | ND            | Pass   |
| Methiocarb              | 0.0100     | 0.2           | ND            | Pass   |
| Methomyl                | 0.0100     | 0.4           | ND            | Pass   |
| Methyl Parathion        | 0.0100     | 0.2           | ND            | Pass   |
| Mevinphos               | 0.0100     | 1             | ND            | Pass   |
| MGK-264                 | 0.0100     | 0.2           | ND            | Pass   |
| Myclobutanil            | 0.0100     | 0.2           | ND            | Pass   |
| Naled                   | 0.0100     | 0.5           | ND            | Pass   |
| Oxamyl                  | 0.0100     | 1             | ND            | Pass   |
| Paclobutrazol           | 0.0100     | 0.4           | ND            | Pass   |
| Pentachloronitrobenzene | 0.0100     | 1             | ND            | Pass   |
| Permethrins, Total      | 0.0100     | 0.2           | ND            | Pass   |
| Phosmet                 | 0.0100     | 0.2           | ND            | Pass   |
| Piperonyl Butoxide      | 0.0100     | 2             | ND            | Pass   |
| Prallethrin             | 0.0100     | 0.2           | ND            | Pass   |
| Propiconazole           | 0.0100     | 0.4           | ND            | Pass   |
| Propoxur                | 0.0100     | 0.2           | ND            | Pass   |
| Pyrethrins Total        | 0.0100     | 1             | ND            | Pass   |
| Pyridaben               | 0.0100     | 0.2           | ND            | Pass   |
| Spinetoram Total        | 0.0100     | 1             | ND            | Pass   |
| Spinosad Total          | 0.0100     | 0.2           | ND            | Pass   |
| Spiromesifen            | 0.0100     | 0.2           | ND            | Pass   |
| Spirotetramat           | 0.0100     | 0.2           | ND            | Pass   |
| Spiroxamine             | 0.0100     | 0.2           | ND            | Pass   |
| Tebuconazole            | 0.0100     | 0.4           | ND            | Pass   |
| Thiacloprid             | 0.0100     | 0.2           | ND            | Pass   |

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E

Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director



**NG Growers inc**

1543 Union Center Maine Hwy  
 ellen@nanticokegardens.com  
 607-754-5008  
 License #: OCM-AUCC-22-000079

**Certificate of Analysis**

Final

**Sample #: 2686****Blue Dream 150706PR****Pesticides by LCMSMS****Pass**

Analysis Date: 10/19/2023 12:07 pm

| Compound        | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Thiamethoxam    | 0.0100     | 0.2           | ND            | Pass   |
| Trifloxystrobin | 0.0100     | 0.2           | ND            | Pass   |

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

**Mycotoxins by LCMSMS****Pass**

Analysis Date: 10/13/2023 9:24 am

| Compound        | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Aflatoxin B1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin B2    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G2    | 0.0050     | 0.020         | ND            | Pass   |
| Ochratoxin A    | 0.0050     | 0.020         | ND            | Pass   |
| Total Aflatoxin | 0.0050     | 0.020         | ND            | Pass   |

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

**Heavy Metals by ICPMS****Pass**

Analysis Date: 10/13/2023 5:11 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100     | 2             | ND            | Pass   |
| Arsenic  | 0.00100    | 0.2           | 0.0243        | Pass   |
| Cadmium  | 0.00150    | 0.3           | 0.0296        | Pass   |
| Chromium | 0.280      | 110           | 1.30          | Pass   |
| Copper   | 0.0750     | 30            | 6.90          | Pass   |
| Lead     | 0.00250    | 0.5           | 0.0433        | Pass   |
| Mercury  | 0.000500   | 0.1           | 0.0258        | Pass   |
| Nickel   | 0.0100     | 2             | 0.0575        | Pass   |

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E  
 Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director





**Sample #: 2686**

**Blue Dream 150706PR**

**Micro by Petri & qPCR**

**Pass**

Analysis Date: 10/13/2023 11:48 am

| Compound                                  | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative            | 0           | 0              | Not Detected   | Pass   |
| Aspergillus fumigatus Qualitative         | 0           | 0              | Not Detected   | Pass   |
| Aspergillus niger Qualitative             | 0           | 0              | Not Detected   | Pass   |
| Aspergillus terreus Qualitative           | 0           | 0              | Not Detected   | Pass   |
| Salmonella Qualitative                    | 0           | 0              | Not Detected   | Pass   |
| Shiga Toxin-Producing E. coli Qualitative | 0           | 0              | Not Detected   | Pass   |
| Total Aerobic Bacteria                    | 10          |                | ND             | Pass   |
| Total Yeast & Mold                        | 10          |                | 5000           | Pass   |

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. **Due to COA validation limitations:** "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



**Keystone State Testing of New York**  
 1809 Vestal Pkwy E  
 Vestal, NY 13850  
 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
 www.KeystoneStateTesting.com  
 Permit #: OCM-CPL-2022-00007

*Kelly Greenland*

Dr. Kelly Greenland, Lab Director

