



**Liberty Leaf**  
Address: 399 Smith St, Farmingdale, NY 11735  
Contact Name:  
Contact Phone:  
License #: OCM-PROC-24-000176  
Sample ID: 2506SMNY0434.1993



**SMITHERS**

**CERTIFICATE OF ANALYSIS**

Permit #: OCM-CPL-00004

Certificate: 9954.1

**TTM - Vape - AIO - 1.0g - Live Resin - Pink Ztarburst**

Lot #: TTM-V-PZ-062325  
Sample ID: 2506SMNY0434.1993  
Regulatory Category: Adult Use  
Received: 06/27/2025  
Sampling Location: 399 Smith St,  
Farmingdale, NY 11735

Lot Size: 1500  
Sample Type: Concentrate  
Amount Received: 13  
Sample Collected: 06/27/2025 11:02 AM  
Published: 07/08/2025



**COMPLIANCE FOR RETAIL**

|                                    |                                       |                                        |                              |
|------------------------------------|---------------------------------------|----------------------------------------|------------------------------|
| Cannabinoid Profile<br><b>Pass</b> | Terpenes Total<br><b>Pass</b>         | Residual Solvents<br><b>Pass</b>       | Pass<br>Sample Status        |
| Pesticides<br><b>Pass</b>          | Mycotoxins<br><b>Pass</b>             | Water Activity<br><b>Not Tested</b>    | 80.6%<br>Total THC           |
| Trace Metals<br><b>Pass</b>        | Microbial Contaminants<br><b>Pass</b> | Moisture Analysis<br><b>Not Tested</b> | 0.768%<br>Total CBD          |
|                                    | Filth & Foreign<br><b>Not Tested</b>  |                                        | 85.5 %<br>Total Cannabinoids |

Report Notes: N/A

**Kristofer Marsh, Ph.D.**

State Director

07/08/2025

*Kristofer Marsh*

**Smithers CTS New York LLC**  
49 John Hicks Drive  
Warwick, NY 10990  
(845) 202-9737



Accreditation #: 121747

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**Average Cannabinoid Profile**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 12:47 PM

**SOP:** NY.SOPT.40.260

**Analyzed By:** HPLC

**Sample Weight:** N/A

**Analyst:** Stephanie Knapp

| Analyte                                    | LOQ (%) | Average % (w/w) | mg/serving | Homogeneity <sup>†</sup> |
|--------------------------------------------|---------|-----------------|------------|--------------------------|
| Total Tetrahydrocannabinol (THC)           | -       | 80.6            | 806        | PASS                     |
| Tetrahydrocannabinolic acid (THCA)         | 0.500   | <LOQ            | <LOQ       |                          |
| Δ8-THC                                     | 0.500   | <LOQ            | <LOQ       |                          |
| Δ9-THC                                     | 0.500   | 80.6            | 806        |                          |
| Δ10-THC-RS                                 | 0.500   | <LOQ            | <LOQ       |                          |
| Δ10-THC-RR                                 | 0.500   | <LOQ            | <LOQ       |                          |
| Total Cannabidiol (CBD)                    | -       | 0.768           | 7.68       | PASS                     |
| Cannabinadiolic acid (CBDA)                | 0.500   | 0.690           | 6.90       |                          |
| Cannabidiol (CBD)                          | 0.500   | 0.163           | 1.63       |                          |
| Total Active Tetrahydrocannabivarin (THCV) | -       | 0.521           | 5.21       |                          |
| Tetrahydrocannabivarinic acid (THCVA)*     | 0.500   | <LOQ            | <LOQ       |                          |
| Tetrahydrocannabivarin (THCV)              | 0.500   | 0.521           | 5.21       |                          |
| Total Active Cannabigerol (CBG)            | -       | 2.65            | 26.5       |                          |
| Cannabigerolic acid (CBGA)                 | 0.500   | <LOQ            | <LOQ       |                          |
| Cannabigerol (CBG)                         | 0.500   | 2.65            | 26.5       |                          |
| Cannabidivarin (CBDV)                      | 0.500   | <LOQ            | <LOQ       |                          |
| Cannabinol (CBN)                           | 0.500   | 0.364           | 3.64       |                          |
| Cannabichromene (CBC)                      | 0.500   | 0.552           | 5.52       |                          |

| Cannabinoid Totals | Actual % (w/w) | mg/serving | Homogeneity <sup>†</sup> |
|--------------------|----------------|------------|--------------------------|
| Total Cannabinoids | 85.5           | 855        |                          |

\* Analyte is not included in ISO 17025 scope of accreditation

† Concentration of individual samples must be ±25% of the mean concentration

Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA);

Total Active THC = (Δ9THC + Δ8THC + Δ10THC-RS + Δ10THC-RR) + (0.877 x THCA);

Total Active THCV = THCV + (0.867 x THCVA);

Serving Weight: 1g

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**Terpene Total**

**Pass (3.759%)**

**Sample Analysis**

**Date:** 07/04/2025 12:07 AM

**SOP:** NY.SOPT.40.090

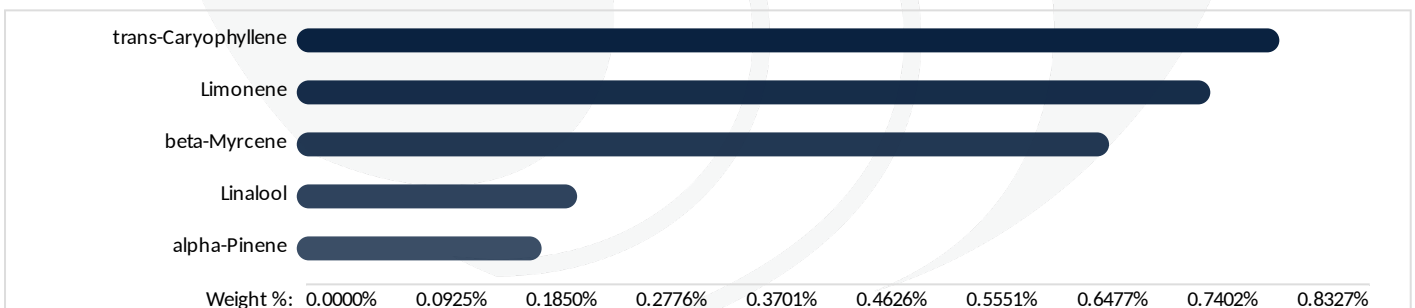
**Sample Weight:** 0.1804 g

**Analyzed By:** GC-MS

**Analyst:** Destiny Ribadeneyra

| Analyte             | LOQ (%)   | Results (%) | Analyte             | LOQ (%)   | Results (%) |
|---------------------|-----------|-------------|---------------------|-----------|-------------|
| 3-Carene            | 0.0004200 | 0.005000    | gamma-Terpinene     | 0.0004400 | <LOQ        |
| alpha-Bisabolol     | 0.0005000 | 0.1591      | gamma-Terpineol     | 0.0003000 | <LOQ        |
| alpha-Humulene      | 0.0005600 | 0.07170     | Geraniol            | 0.0004800 | 0.006600    |
| alpha-Phellandrene  | 0.0006600 | 0.02320     | Geranyl acetate     | 0.0006200 | <LOQ        |
| alpha-Pinene        | 0.0004800 | 0.2075      | Guaial              | 0.0006000 | <LOQ        |
| alpha-Terpinene     | 0.0002600 | <LOQ        | Isoborneol          | 0.0003400 | 0.002900    |
| alpha-Terpineol     | 0.0003400 | 0.07680     | Isopulegol          | 0.0006600 | <LOQ        |
| beta-Myrcene        | 0.0006400 | 0.6884      | Limonene            | 0.0007400 | 0.7742      |
| beta-Pinene         | 0.0006600 | 0.1473      | Linalool            | 0.0004600 | 0.2376      |
| Borneol             | 0.0004600 | 0.002000    | Menthol             | 0.0004600 | <LOQ        |
| Camphene            | 0.0004400 | 0.02240     | Nerol               | 0.0005000 | <LOQ        |
| Camphor             | 0.0004000 | <LOQ        | Pulegone (+)        | 0.0005600 | <LOQ        |
| Caryophyllene oxide | 0.0005800 | 0.04050     | Sabinene            | 0.0003400 | 0.1473      |
| Cedrene             | 0.0004400 | 0.003600    | Sabinene Hydrate    | 0.0004200 | <LOQ        |
| Cedrol              | 0.0005600 | <LOQ        | Terpinolene         | 0.0005000 | 0.01480     |
| cis-Nerolidol       | 0.0006800 | <LOQ        | trans-b-Ocimene     | 0.0004200 | 0.009800    |
| cis-Ocimene         | 0.0005200 | <LOQ        | trans-Caryophyllene | 0.0006600 | 0.8327      |
| Eucalyptol          | 0.0007200 | <LOQ        | trans-Nerolidol     | 0.0007200 | 0.01080     |
| Farnesene           | 0.0008400 | 0.1304      | Valencene           | 0.0005600 | 0.05500     |
| Fenchone            | 0.0005000 | <LOQ        |                     |           |             |

| Terpene Totals | %     | Pass/Fail |
|----------------|-------|-----------|
| Total Terpenes | 3.759 | PASS      |



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**Trace Metals**

**Pass**

**Sample Analysis**

**Date:** 07/01/2025 05:38 PM

**SOP:** NY.SOPT.40.050

**Analyzed By:** ICP-MS

**Sample Weight:** 0.1243 g

**Analyst:** Moni Kaneti

| Analyte        | LOQ (µg/g) | Action Limit (µg/g) | Results (µg/g) | Pass/Fail |
|----------------|------------|---------------------|----------------|-----------|
| Antimony (Sb)* | 0.00200    | 2.00                | <LOQ           | PASS      |
| Arsenic (As)*  | 0.00200    | 0.200               | <LOQ           | PASS      |
| Cadmium (Cd)*  | 0.00200    | 0.200               | <LOQ           | PASS      |
| Chromium (Cr)* | 0.00200    | 110                 | 0.0290         | PASS      |
| Copper (Cu)*   | 0.00200    | 30.0                | 0.168          | PASS      |
| Lead (Pb)*     | 0.00200    | 0.500               | 0.0120         | PASS      |
| Mercury (Hg)*  | 0.00200    | 0.100               | <LOQ           | PASS      |
| Nickel (Ni)*   | 0.00200    | 2.00                | 0.0490         | PASS      |

\* Analyte is not included in ISO 17025 scope of accreditation

**Mycotoxin Analysis**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 10:15 AM

**SOP:** NY.SOPT.40.180

**Analyzed By:** LC-MS/MS

**Sample Weight:** 0.1 g

**Analyst:** Destiny Ribadeneyra

| Analyte           | LOQ (µg/g) | Action Limit (µg/g) | Results (µg/g) | Pass/Fail |
|-------------------|------------|---------------------|----------------|-----------|
| Sum of Aflatoxins | -          | 0.020               | 0              | PASS      |
| Aflatoxin B1      | 0.0010     | 0.020               | <LOQ           | PASS      |
| Aflatoxin B2      | 0.0020     | 0.020               | <LOQ           | PASS      |
| Aflatoxin G1      | 0.0010     | 0.020               | <LOQ           | PASS      |
| Aflatoxin G2      | 0.0020     | 0.020               | <LOQ           | PASS      |
| Ochratoxin A      | 0.0020     | 0.020               | <LOQ           | PASS      |

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**Pesticides LC**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 11:03 PM

**SOP:** NY.SOPT.040.270

**Analyzed By:** LC-MS/MS

**Sample Weight:** 1 g

**Analyst:** Destiny Ribadeneyra

| Analyte               | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|-----------------------|-----------|--------------------|---------------|-----------|
| Abamectin*            | 0.0180    | 0.500              | <LOQ          | PASS      |
| Acephate*             | 0.00700   | 0.400              | <LOQ          | PASS      |
| Acequinocyl*          | 0.0160    | 2.00               | <LOQ          | PASS      |
| Acetamiprid*          | 0.00500   | 0.200              | <LOQ          | PASS      |
| Aldicarb*             | 0.00500   | 0.400              | <LOQ          | PASS      |
| Azadirachtin*         | 0.0220    | 1.00               | <LOQ          | PASS      |
| Azoxystrobin*         | 0.00600   | 0.200              | <LOQ          | PASS      |
| Bifenazate*           | 0.00600   | 0.200              | <LOQ          | PASS      |
| Bifenthrin*           | 0.00300   | 0.200              | <LOQ          | PASS      |
| Boscalid*             | 0.0110    | 0.400              | <LOQ          | PASS      |
| Carbaryl*             | 0.00600   | 0.200              | <LOQ          | PASS      |
| Carbofuran*           | 0.00500   | 0.200              | <LOQ          | PASS      |
| Chlorantraniliprole*  | 0.00600   | 0.200              | <LOQ          | PASS      |
| Chlormequat chloride* | 0.0190    | 1.00               | <LOQ          | PASS      |
| Chlorpyrifos*         | 0.00900   | 0.200              | <LOQ          | PASS      |
| Clofentezine*         | 0.0100    | 0.200              | <LOQ          | PASS      |
| Daminozide*           | 0.00400   | 1.00               | <LOQ          | PASS      |
| Diazinon*             | 0.00700   | 0.200              | <LOQ          | PASS      |
| Dichlorvos*           | 0.0120    | 1.00               | <LOQ          | PASS      |
| Dimethoate*           | 0.00600   | 0.200              | <LOQ          | PASS      |
| Dimethomorph*         | 0.00500   | 1.00               | <LOQ          | PASS      |
| Ethoprophos*          | 0.0130    | 0.200              | <LOQ          | PASS      |
| Etofenprox*           | 0.00300   | 0.400              | <LOQ          | PASS      |
| Etoazole*             | 0.00500   | 0.200              | <LOQ          | PASS      |
| Fenhexamid*           | 0.0150    | 1.00               | <LOQ          | PASS      |
| Fenoxycarb*           | 0.0110    | 0.200              | <LOQ          | PASS      |
| Fenpyroximate*        | 0.00200   | 0.400              | <LOQ          | PASS      |
| Flonicamid*           | 0.00700   | 1.00               | <LOQ          | PASS      |
| Fludioxonil*          | 0.0170    | 0.400              | <LOQ          | PASS      |
| Hexythiazox*          | 0.00500   | 1.00               | <LOQ          | PASS      |

| Analyte                | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|------------------------|-----------|--------------------|---------------|-----------|
| Imidacloprid*          | 0.00800   | 0.400              | <LOQ          | PASS      |
| Indole-3-butyric acid* | 0.00700   | 1.00               | <LOQ          | PASS      |
| Kresoxim methyl*       | 0.0120    | 0.400              | <LOQ          | PASS      |
| Malathion*             | 0.0110    | 0.200              | <LOQ          | PASS      |
| Metalaxyl*             | 0.0120    | 0.200              | <LOQ          | PASS      |
| Methiocarb*            | 0.00400   | 0.200              | <LOQ          | PASS      |
| Methomyl*              | 0.0120    | 0.400              | <LOQ          | PASS      |
| Mevinphos*             | 0.0190    | 1.00               | <LOQ          | PASS      |
| MGK-264*               | 0.0110    | 0.200              | <LOQ          | PASS      |
| Myclobutanil*          | 0.0130    | 0.200              | <LOQ          | PASS      |
| Naled*                 | 0.00500   | 0.500              | <LOQ          | PASS      |
| Oxamyl*                | 0.00800   | 1.00               | <LOQ          | PASS      |
| Paclobutrazol*         | 0.0150    | 0.400              | <LOQ          | PASS      |
| Permethrins, Total*    | 0.00900   | 0.200              | <LOQ          | PASS      |
| Phosmet*               | 0.00700   | 0.200              | <LOQ          | PASS      |
| Piperonyl Butoxide*    | 0.00600   | 2.00               | <LOQ          | PASS      |
| Prallethrin*           | 0.00800   | 0.200              | <LOQ          | PASS      |
| Propiconazole*         | 0.00600   | 0.400              | <LOQ          | PASS      |
| Propoxur*              | 0.00800   | 0.200              | <LOQ          | PASS      |
| Pyrethrins*            | 0.0140    | 1.00               | <LOQ          | PASS      |
| Pyridaben*             | 0.00600   | 0.200              | <LOQ          | PASS      |
| Spinetoram, Total*     | 0.00500   | 1.00               | <LOQ          | PASS      |
| Spinosad, Total*       | 0.00600   | 0.200              | <LOQ          | PASS      |
| Spiromesifen*          | 0.0130    | 0.200              | <LOQ          | PASS      |
| Spirotetramat*         | 0.00600   | 0.200              | <LOQ          | PASS      |
| Spiroxamine*           | 0.00400   | 0.200              | <LOQ          | PASS      |
| Tebuconazole*          | 0.0120    | 0.400              | <LOQ          | PASS      |
| Thiacloprid*           | 0.00800   | 0.200              | <LOQ          | PASS      |
| Thiamethoxam*          | 0.00800   | 0.200              | <LOQ          | PASS      |

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**Kristofer Marsh, Ph.D.**

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**Pesticides GC**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 10:54 PM

**SOP:** NYS.SOPT.040.271

**Analyzed By:** GC-MS/MS

**Sample Weight:** N/A

**Analyst:** Destiny Ribadeneyra

| Analyte                  | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|--------------------------|-----------|--------------------|---------------|-----------|
| Captan*                  | 0.300     | 1.00               | <LOQ          | PASS      |
| Chlordane*               | 0.0700    | 1.00               | <LOQ          | PASS      |
| Chlorfenapyr*            | 0.100     | 1.00               | <LOQ          | PASS      |
| Coumaphos*               | 0.190     | 1.00               | <LOQ          | PASS      |
| Cyfluthrin*              | 0.110     | 1.00               | <LOQ          | PASS      |
| Cypermethrin*            | 0.240     | 1.00               | <LOQ          | PASS      |
| Fipronil*                | 0.170     | 0.400              | <LOQ          | PASS      |
| Imazalil*                | 0.170     | 0.200              | <LOQ          | PASS      |
| Methyl parathion*        | 0.0900    | 0.200              | <LOQ          | PASS      |
| Pentachloronitrobenzene* | 0.170     | 1.00               | <LOQ          | PASS      |
| Trifloxystrobin*         | 0.110     | 0.200              | <LOQ          | PASS      |

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**Residual Solvents**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 05:30 PM

**SOP:** NYS.SOPT.040.272

**Analyzed By:** GC-MS

**Sample Weight:** 0.0904 g

**Analyst:** Destiny Ribadeneyra

| Analyte                                                     | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|-------------------------------------------------------------|-----------|--------------------|---------------|-----------|
| 1,2-Dichloroethane (Ethylene dichloride, Ethylene chloride) | 0.100     | 5.00               | <LOQ          | PASS      |
| 2-Propanol (Isopropanol, Isopropyl alcohol)                 | 125       | 5000               | <LOQ          | PASS      |
| Acetone (2-Propanone)                                       | 125       | 5000               | <LOQ          | PASS      |
| Acetonitrile                                                | 23.6      | 410                | <LOQ          | PASS      |
| Benzene                                                     | 0.100     | 2.00               | <LOQ          | PASS      |
| Butanes, Total                                              | 62.5      | 5000               | <LOQ          | PASS      |
| Chloroform                                                  | 1.50      | 60.0               | <LOQ          | PASS      |
| Dichloromethane (Methylene chloride)                        | 15.0      | 600                | <LOQ          | PASS      |
| Dimethyl sulfoxide (DMSO)                                   | 125       | 5000               | <LOQ          | PASS      |
| Ethanol (Ethyl alcohol)                                     | 125       | 5000               | <LOQ          | PASS      |
| Ethyl acetate (Acetic acid ethyl ester)                     | 125       | 5000               | <LOQ          | PASS      |
| Ethyl ether (Diethyl ether, 1,1'-Oxybisethane)              | 125       | 5000               | <LOQ          | PASS      |
| Heptane (n-Heptane)                                         | 125       | 5000               | <LOQ          | PASS      |
| Hexanes, Total                                              | 14.5      | 290                | <LOQ          | PASS      |
| Methanol (Methyl alcohol)                                   | 75.1      | 3000               | <LOQ          | PASS      |
| Pentanes, Total                                             | 195       | 5000               | <LOQ          | PASS      |
| Propane                                                     | 63.0      | 5000               | <LOQ          | PASS      |
| Toluene (Methylbenzene)                                     | 22.3      | 890                | <LOQ          | PASS      |
| Trichloroethane (1,1,1-)                                    | 37.6      | 1500               | <LOQ          | PASS      |
| Tetrafluoroethane (1,1,1,2-) (HFC134a)*                     | 10.0      | 1000               | <LOQ          | PASS      |
| Xylenes, Total (ortho-, meta-, para-)                       | 109       | 2170               | <LOQ          | PASS      |

\* Analyte is not included in ISO 17025 scope of accreditation

**Kristofer Marsh, Ph.D.**

07/08/2025

*Kristofer Marsh*

State Director

**Smithers CTS New York LLC**

49 John Hicks Drive  
Warwick, NY 10990  
(845) 202-9737



Accreditation #: 121747

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**Liberty Leaf**  
Address: 399 Smith St, Farmingdale, NY 11735  
Contact Name:  
Contact Phone:  
License #: OCM-PROC-24-000176  
Sample ID: 2506SMNY0434.1993



**CERTIFICATE OF ANALYSIS**  
Permit #: OCM-CPL-00004

Certificate: 9954.1

**Microbial Impurities - MDG**

**Pass**

**Sample Analysis**

**Date:** 07/03/2025 11:23 AM

**SOP:** NYS.SOPT.40.273

**Analyzed By:** PCR

**Analyst:** Kristy Lee

| Analyte                                | Microbial Type | LOQ (CFU/g) | Allowable Limit | Results      | Pass/Fail |
|----------------------------------------|----------------|-------------|-----------------|--------------|-----------|
| Shiga toxin-producing Escherichia coli | Bacterial      | 1           | Not Detected    | Not Detected | PASS      |
| Salmonella species                     | Bacterial      | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus flavus                     | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus niger                      | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus terreus                    | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus fumigatus                  | Fungal         | 1           | Not Detected    | Not Detected | PASS      |

**Kristofer Marsh, Ph.D.**

07/08/2025

*Kristy Marsh*

State Director

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**Liberty Leaf**  
Address: 399 Smith St, Farmingdale, NY 11735  
Contact Name:  
Contact Phone:  
License #: OCM-PROC-24-000176  
Sample ID: 2506SMNY0434.1993



**SMITHERS**

**CERTIFICATE OF ANALYSIS**

Permit #: OCM-CPL-00004

Certificate: 9954.1

**Microbial Impurities - TAPC**

**Pass**

**Sample Analysis**

**Date:** 07/02/2025 08:12 AM

**SOP:** NYS.SOPT.040.200

**Analyzed By:** Plating

**Analyst:** Kristy Lee

| Analyte                       | LOQ (CFU/g) | Action Limit (CFU/g) | Results (CFU/g) | Pass/Fail |
|-------------------------------|-------------|----------------------|-----------------|-----------|
| Total Aerobic Bacteria/CDP-TC | 5           | 10000                | 1060            | PASS      |

**Microbial Impurities - TYMC**

**Pass**

**Sample Analysis**

**Date:** 07/04/2025 12:08 AM

**SOP:** NYS.SOPT.040.200

**Analyzed By:** Plating

**Analyst:** Kristy Lee

| Analyte              | LOQ (CFU/g) | Action Limit (CFU/g) | Results (CFU/g) | Pass/Fail |
|----------------------|-------------|----------------------|-----------------|-----------|
| Total Yeast and Mold | 5           | 1000                 | <LOQ            | PASS      |
| Mold Count           | 5           | 1000                 | <LOQ            | PASS      |
| Yeast Count          | 5           | 1000                 | <LOQ            | PASS      |

**Kristofer Marsh, Ph.D.**

07/08/2025

*Kristy Marsh*

State Director

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49 John Hicks Drive  
Warwick, NY 10990  
(845) 202-9737



Accreditation #: 121747

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