

Nanticoke Hemp Inc.

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 607-754-5008
 License #: OCM-PROC-24-000002

Certificate of Analysis

Final



Date Released: 8/20/2025 11:02:03AM

Report #: 76484

Watermelon Diesel .5g Preroll

Sample #: 17592, Weight: 10.00g, Unit Count:
 Order #: X250812-0002

Category/Type: Plant, Preroll

Date Collected: 8/11/2025 1:50:00PM

Date Received: 8/12/2025 11:56:10AM

Date Sampled: 8/11/2025 9:24:00AM

Regulator Sample ID: WD053102PR

Regulator Source Package ID: WD053102PR

Regulator Batch ID: WD053102PR

Size: 10000Units, Unit Count:



Total Cannabinoids
 24.46 %
 244.6 mg/g



Total THC
 21.06 %
 210.6 mg/g



Total CBD
 0.07421 %
 0.7421 mg/g



Total Terpenes
 0.312 %



Moisture
 8.5 %



Heavy Metals
 PASS



Microbials
 PASS



Pesticides
 PASS



Mycotoxins
 PASS



Water Activity
 PASS

| Cannabinoids Avg | | | | | Total Cannabinoids: 24.46 % - 244.6 mg/g | | Date Completed: 08/14/2025 11:23AM |
|------------------|------------|----------|---------|--------|---|--|------------------------------------|
| | | | | | Total THC: 21.06 % - 210.6 mg/g | | |
| | | | | | Total CBD: 0.07421 % - 0.7421 mg/g | | |
| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration | | |
| THCa | 23978-85-0 | 0.001000 | 20.72 | 207.2 | <div style="width: 100%; height: 10px; background-color: green;"></div> | | |
| d9-THC | 1972-08-3 | 0.001000 | 2.888 | 28.88 | <div style="width: 15%; height: 10px; background-color: green;"></div> | | |
| CBGa | 25555-57-1 | 0.001000 | 0.5393 | 5.393 | <div style="width: 2%; height: 10px; background-color: green;"></div> | | |
| CBG | 25654-31-3 | 0.001000 | 0.1284 | 1.284 | <div style="width: 1%; height: 10px; background-color: green;"></div> | | |
| CBDa | 1244-58-2 | 0.001000 | 0.08462 | 0.8462 | <div style="width: 1%; height: 10px; background-color: green;"></div> | | |
| CBC | 20675-51-8 | 0.001000 | 0.04059 | 0.4059 | <div style="width: 1%; height: 10px; background-color: green;"></div> | | |
| THCV | 31262-37-0 | 0.001000 | 0.03902 | 0.3902 | <div style="width: 1%; height: 10px; background-color: green;"></div> | | |

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Kelly Greenland

Dr. Kelly Greenland, Lab Director





Sample #: 17592

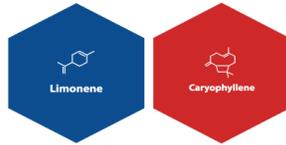
Watermelon Diesel .5g Preroll

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|------------|------------|----------|---------|--------|------------------------|
| CBN | 521-35-7 | 0.001000 | 0.02587 | 0.2587 | |
| CBDV | 24274-48-4 | 0.001000 | ND | ND | |
| CBD | 13956-29-1 | 0.001000 | ND | ND | |
| d8-THC | 5957-75-5 | 0.001000 | ND | ND | |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND | ND | |
| d10/S9-THC | 95588-87-7 | 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.

Terpenes by HS-GC-MS

Date Completed: 08/14/2025 11:13AM



| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|-----------------------------|-----------|---------|--------|------------------------|
| Limonene | 5989-27-5 | 0.1000 | 0.1654 | |
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.1466 | |
| Results based on dry weight | | | | |
| Beta-myrcene | 123-35-3 | 0.1000 | ND | |
| Alpha-pinene | 80-56-8 | 0.1000 | ND | |
| Alpha-humulene | 6753-98-6 | 0.1000 | ND | |
| Linalool | 78-70-6 | 0.1000 | ND | |
| Beta-pinene | 127-91-3 | 0.1000 | ND | |
| Terpinolene | 586-62-9 | 0.1000 | ND | |

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Sample #: 17592

Watermelon Diesel .5g Preroll

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Ocimene | 13877-91-3 | 0.1000 | ND | |
| Alpha-bisabolol | 515-69-5 | 0.1000 | ND | |
| Caryophyllene-oxide | 1139-30-6 | 0.1000 | ND | |
| Geraniol | 106-24-1 | 0.1000 | ND | |
| Camphene | 79-92-5 | 0.1000 | ND | |
| Guaiol | 489-86-1 | 0.1000 | ND | |
| Alpha-terpinene | 99-86-5 | 0.1000 | ND | |
| Terpineol | 8006-39-1 | 0.1000 | ND | |
| Fenchol | 14575-74-7 | 0.1000 | ND | |
| Valencene | 4630-07-3 | 0.1000 | ND | |
| Alpha-phellandrene | 99-83-2 | 0.1000 | ND | |
| Farnesene | 502-61-4 | 0.1000 | ND | |

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

Moisture LWG

Pass

Analysis Date: 08/14/2025 1:17 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2 | 0 - 15 | 8.5 | Pass |

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

Water Activity

Pass

Analysis Date: 08/14/2025 1:17 pm

| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05 | 0.65 | 0.50 | 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: 08/18/2025 1:34 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------|------------|---------------|---------------|--------|
| Abamectin | 0.0100 | 0.500 | ND | Pass |

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Sample #: 17592

Watermelon Diesel .5g Preroll

Pesticides by LCMSMS

Pass

Analysis Date: 08/18/2025 1:34 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------------------|------------|---------------|---------------|--------|
| Acephate | 0.0100 | 0.400 | ND | Pass |
| Acequinocyl | 0.0100 | 2.00 | ND | Pass |
| Acetamiprid | 0.0100 | 0.200 | ND | Pass |
| Aldicarb | 0.0100 | 0.400 | ND | Pass |
| Azadirachtin | 0.0100 | 1.00 | ND | Pass |
| Azoxystrobin | 0.0100 | 0.200 | ND | Pass |
| Bifenazate | 0.0100 | 0.200 | ND | Pass |
| Bifenthrin | 0.0100 | 0.200 | ND | Pass |
| Boscalid | 0.0100 | 0.400 | ND | Pass |
| Captan | 0.0100 | 1.00 | ND | Pass |
| Carbaryl | 0.0100 | 0.200 | ND | Pass |
| Carbofuran | 0.0100 | 0.200 | ND | Pass |
| Chlorantraniliprole | 0.0100 | 0.200 | ND | Pass |
| Chlordane-alpha | 0.0100 | 1.00 | ND | Pass |
| Chlorfenapyr | 0.0100 | 1.00 | ND | Pass |
| Chlormequat Chloride | 0.0100 | 1.00 | ND | Pass |
| Chlorpyrifos | 0.0100 | 0.200 | ND | Pass |
| Clofentezine | 0.0100 | 0.200 | ND | Pass |
| Coumaphos | 0.0100 | 1.00 | ND | Pass |
| Cyfluthrin | 0.0100 | 1.00 | ND | Pass |
| Cypermethrin | 0.0100 | 1.00 | ND | Pass |
| Daminozide | 0.0100 | 1.00 | ND | Pass |
| Diazinon | 0.0100 | 0.200 | ND | Pass |
| Dichlorvos | 0.0100 | 1.00 | ND | Pass |
| Dimethoate | 0.0100 | 0.200 | ND | Pass |
| Dimethomorph | 0.0100 | 1.00 | ND | Pass |

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Pesticides by LCMSMS

Pass

Analysis Date: 08/18/2025 1:34 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| Ethoprophos | 0.0100 | 0.200 | ND | Pass |
| Etofenprox | 0.0100 | 0.400 | ND | Pass |
| Etoxazole | 0.0100 | 0.200 | ND | Pass |
| Fenhexamid | 0.0100 | 1.00 | ND | Pass |
| Fenoxycarb | 0.0100 | 0.200 | ND | Pass |
| Fenpyroximate | 0.0100 | 0.400 | ND | Pass |
| Fipronil | 0.0100 | 0.400 | ND | Pass |
| Fonicamid | 0.0100 | 1.00 | ND | Pass |
| Fludioxonil | 0.0100 | 0.400 | ND | Pass |
| Hexythiazox | 0.0100 | 1.00 | ND | Pass |
| Imazalil | 0.0100 | 0.200 | ND | Pass |
| Imidacloprid | 0.0100 | 0.400 | ND | Pass |
| Indolebutyric Acid | 0.0100 | 1.00 | ND | Pass |
| Kresoxim-methyl | 0.0100 | 0.400 | ND | Pass |
| Malathion | 0.0100 | 0.200 | ND | Pass |
| Metalaxyl | 0.0100 | 0.200 | ND | Pass |
| Methiocarb | 0.0100 | 0.200 | ND | Pass |
| Methomyl | 0.0100 | 0.400 | ND | Pass |
| Methyl Parathion | 0.0100 | 0.200 | ND | Pass |
| Mevinphos | 0.0100 | 1.00 | ND | Pass |
| MGK-264 | 0.0100 | 0.200 | ND | Pass |
| Myclobutanil | 0.0100 | 0.200 | ND | Pass |
| Naled | 0.0100 | 0.500 | ND | Pass |
| Oxamyl | 0.0100 | 1.00 | ND | Pass |
| Paclobutrazol | 0.0100 | 0.400 | ND | Pass |
| Pentachloronitrobenzene | 0.0100 | 1.00 | ND | Pass |

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Sample #: 17592

Watermelon Diesel .5g Preroll

Pesticides by LCMSMS

Pass

Analysis Date: 08/18/2025 1:34 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Permethrins, Total | 0.0100 | 0.200 | ND | Pass |
| Phosmet | 0.0100 | 0.200 | ND | Pass |
| Piperonyl Butoxide | 0.0100 | 2.00 | ND | Pass |
| Prallethrin | 0.0100 | 0.200 | ND | Pass |
| Propiconazole | 0.0100 | 0.400 | ND | Pass |
| Propoxur | 0.0100 | 0.200 | ND | Pass |
| Pyrethrins Total | 0.0100 | 1.00 | ND | Pass |
| Pyridaben | 0.0100 | 0.200 | ND | Pass |
| Spinetoram Total | 0.0100 | 1.00 | ND | Pass |
| Spinosad Total | 0.0100 | 0.200 | ND | Pass |
| Spiromesifen | 0.0100 | 0.200 | ND | Pass |
| Spirotetramat | 0.0100 | 0.200 | ND | Pass |
| Spiroxamine | 0.0100 | 0.200 | ND | Pass |
| Tebuconazole | 0.0100 | 0.400 | ND | Pass |
| Thiacloprid | 0.0100 | 0.200 | ND | Pass |
| Thiamethoxam | 0.0100 | 0.200 | ND | Pass |
| Trifloxystrobin | 0.0100 | 0.200 | ND | Pass |

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

Mycotoxins by LCMSMS

Pass

Analysis Date: 08/18/2025 1:34 pm

| 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 |

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Sample #: 17592

Watermelon Diesel .5g Preroll

Mycotoxins by LCMSMS

Pass

Analysis Date: 08/18/2025 1:34 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| 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: 08/14/2025 11:41 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100 | 2.00 | ND | Pass |
| Arsenic | 0.00100 | 0.200 | ND | Pass |
| Cadmium | 0.00150 | 0.200 | 0.0108 | Pass |
| Chromium | 0.280 | 110 | ND | Pass |
| Copper | 0.0750 | 30.0 | 5.46 | Pass |
| Lead | 0.00250 | 0.500 | 0.0387 | Pass |
| Mercury | 0.000500 | 0.100 | ND | Pass |
| Nickel | 0.0100 | 5.00 | 0.0531 | Pass |

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

Micro by Petri & qPCR

Pass

Analysis Date: 08/14/2025 11:28 am

| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative | 1 | 0 | Not Detected | Pass |
| Aspergillus fumigatus Qualitative | 1 | 0 | Not Detected | Pass |
| Aspergillus niger Qualitative | 1 | 0 | Not Detected | Pass |
| Aspergillus terreus Qualitative | 1 | 0 | Not Detected | Pass |
| Salmonella Qualitative | 1 | 0 | Not Detected | Pass |
| Shiga Toxin-Producing E. coli Qualitative | 1 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | | <LOQ | Pass |
| Total Yeast & Mold | 10 | | 1000 | Pass |

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Sample #: 17592

Watermelon Diesel .5g Preroll

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". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.

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