**Nanticoke Hemp Inc.**
1543 Union Center Maine Hwy
pete@nanticokegardens.com
607-754-5008
License #: OCM-PROC-24-000002

# Certificate of Analysis

Final

Date Released: 1/6/2025 10:28:26AM

Report #: 36721

## Ready 2 Roll Indica

**Sample #:** 8842, **Weight:** 140.00g, **Unit Count:**
**Order #:** X241226-0002
**Category/Type:** Plant, Flower - Cured
**Date Collected:** 12/23/2024 10:25:00AM
**Date Received:** 12/26/2024 7:04:36PM
**Date Sampled:** 12/23/2024 9:48:00AM
**Regulator Sample ID:** 093090524DSIR2R
**Regulator Source Package ID:** 093090524DSIR2R
**Regulator Batch ID:** 093090524DSIR2R

**Size:** 10000Units, **Unit Count:**

| Total Cannabinoids | Total THC | Total CBD | Total Terpenes | Moisture | Heavy Metals |
|---|---|---|---|---|---|
| 27.41 % | 23.53 % | 0.07369 % | 1.862 % | 10.4 % | PASS |
| 274.1 mg/g | 235.3 mg/g | 0.7369 mg/g | | | |

| Microbials | Pesticides | Mycotoxins | Foreign Matter | Water Activity |
|---|---|---|---|---|
| PASS | PASS | PASS | PASS | PASS |

## Cannabinoids Avg

Total Cannabinoids: **27.41 % - 274.1 mg/g**
Total THC: **23.53 % - 235.3 mg/g**
Total CBD: **0.07369 % - 0.7369 mg/g**

**Date Completed:** 12/27/2024 12:57PM

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|---|---|---|---|---|---|
| THCa | 23978-85-0 | 0.001000 | 24.39 | 243.9 | |
| d9-THC | 1972-08-3 | 0.001000 | 2.052 | 20.52 | |
| CBGa | 25555-57-1 | 0.001000 | 0.5735 | 5.735 | |
| CBG | 25654-31-3 | 0.001000 | 0.1839 | 1.839 | |
| d10/S9-THC | 95588-87-7 | 0.001000 | 0.08939 | 0.8939 | |
| CBDa | 1244-58-2 | 0.001000 | 0.08402 | 0.8402 | |
| CBC | 20675-51-8 | 0.001000 | 0.02019 | 0.2019 | |

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(607)301-0884
InfoNY@KeystoneStateTesting.com
www.KeystoneStateTesting.com
Permit #: OCM-CPL-00007

ACCREDITED
CERTIFICATE NUMBER 4405.03

**Dr. Kelly Greenland, Lab Director**

LABWARE GROW
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**Report Date:** 01/06/2025 10:31:12AM

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# Certificate of Analysis

Final

## Sample #: 8842

## Ready 2 Roll Indica

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|---|---|---|---|---|---|
| CBN | 521-35-7 | 0.001000 | 0.01607 | 0.1607 | |
| CBDV | 24274-48-4 | 0.001000 | ND | ND | |
| THCV | 31262-37-0 | 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 | |

**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:** 12/27/2024 12:18PM

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---|---|---|---|---|
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.5807 | |
| Limonene | 5989-27-5 | 0.1000 | 0.3738 | |
| Beta-myrcene | 123-35-3 | 0.1000 | 0.2522 | |
| Farnesene | 502-61-4 | 0.1000 | 0.2064 | |
| Alpha-humulene | 6753-98-6 | 0.1000 | 0.2036 | |
| Valencene | 4630-07-3 | 0.1000 | 0.1336 | |
| Linalool | 78-70-6 | 0.1000 | 0.1116 | |
| Results based on dry weight | | | | |
| Alpha-pinene | 80-56-8 | 0.1000 | ND | |

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## Sample #: 8842

## Ready 2 Roll Indica

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|---|---|---|---|---|
| Beta-pinene | 127-91-3 | 0.1000 | ND | |
| Terpinolene | 586-62-9 | 0.1000 | ND | |
| 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 | |
| Alpha-phellandrene | 99-83-2 | 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:** 01/02/2025 12:16 pm

| 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.

## Moisture LWG

**Pass**

**Analysis Date:** 01/02/2025 12:11 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|---|---|---|---|---|
| Moisture | 1.2 | 5 - 15 | 10.4 | Pass |

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

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Final

**Sample #: 8842** **Ready 2 Roll Indica**

## Water Activity

**Pass**

**Analysis Date:** 01/02/2025 12:15 pm

| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|---|---|---|---|---|
| Water Activity | 0.05 | 0.65 | 0.47 | 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:** 01/03/2025 4:52 pm

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

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**Report Date:** 01/06/2025 10:31:12AM

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# Certificate of Analysis

Final

**Sample #: 8842** **Ready 2 Roll Indica**

## Pesticides by LCMSMS

**Pass**

**Analysis Date:** 01/03/2025 4:52 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|
| 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 |
| 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 |
| Flonicamid | 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 |

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# Certificate of Analysis

Final

**Sample #: 8842** **Ready 2 Roll Indica**

## Pesticides by LCMSMS

**Pass**

**Analysis Date:** 01/03/2025 4:52 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|
| 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 |
| 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.

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**Sample #: 8842** **Ready 2 Roll Indica**

## Mycotoxins by LCMSMS

**Pass**

**Analysis Date:** 01/03/2025 4:50 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 |
| 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:** 12/27/2024 10:39 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|
| Antimony | 0.0100 | 2.00 | 0.0146 | Pass |
| Arsenic | 0.00100 | 0.200 | ND | Pass |
| Cadmium | 0.00150 | 0.200 | 0.0372 | Pass |
| Chromium | 0.280 | 110 | 0.755 | Pass |
| Copper | 0.0750 | 30.0 | 3.69 | Pass |
| Lead | 0.00250 | 0.500 | 0.0316 | Pass |
| Mercury | 0.000500 | 0.100 | 0.00473 | Pass |
| Nickel | 0.0100 | 5.00 | 0.311 | Pass |

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

## Micro by Petri & qPCR

**Pass**

**Analysis Date:** 12/27/2024 5:36 pm

| 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 |

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**Sample #: 8842** **Ready 2 Roll Indica**

## Micro by Petri & qPCR

**Pass**

**Analysis Date:** 12/27/2024 5:36 pm

| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|---|---|---|---|
| Salmonella Qualitative | 1 | 0 | Not Detected | Pass |
| Shiga Toxin-Producing E. coli Qualitative | 1 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | | 13000 | Pass |
| Total Yeast & Mold | 10 | | <LOQ | 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". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.

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