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: 2/4/2025 9:51:08AM

Report #: 42668

Inzane .5g Pre-roll

Sample #: 10519, **Weight:** 10.00g, **Unit Count:**
Order #: X250128-0034
Category/Type: Plant, Preroll
Date Collected: 1/27/2025 9:39:00AM
Date Received: 1/29/2025 9:15:42AM
Date Sampled: 1/27/2025 9:14:00AM
Regulator Sample ID: IZ051313PR
Regulator Source Package ID: IZ051313PR
Regulator Batch ID: IZ051313PR

Size: 3200Units, **Unit Count:**

Total Cannabinoids	Total THC	Total CBD	Total Terpenes	Moisture	Heavy Metals
27.03 %	23.13 %	0.07820 %	1.805 %	8.0 %	PASS
52.53 mg/g	39.92 mg/g	0.7819 mg/g			

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

Cannabinoids Avg

Total Cannabinoids: **27.03 % - 52.53 mg/g**
Total THC: **23.13 % - 39.92 mg/g**
Total CBD: **0.07820 % - 0.7819 mg/g**

Date Completed: 01/30/2025 12:34PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	24.22	242.2	
d9-THC	1972-08-3	0.001000	1.868	18.68	
CBGa	25555-57-1	0.001000	0.7003	7.003	
CBG	25654-31-3	0.001000	0.1469	1.469	
CBDa	1244-58-2	0.001000	0.08916	0.8916	
CBN	521-35-7	0.001000	0.01449	0.1449	
CBC	20675-51-8	0.001000	0.01277	0.1277	

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www.KeystoneStateTesting.com
Permit #: OCM-CPL-00007

ACCREDITED
CERTIFICATE NUMBER 4405.03

Dr. Kelly Greenland, Lab Director

LABWARE GROW
CULTIVATING COMPLIANCE™

Report Date: 02/04/2025 9:55:33AM

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Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
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	
d10/S9-THC	95588-87-7	0.001000	ND	ND	

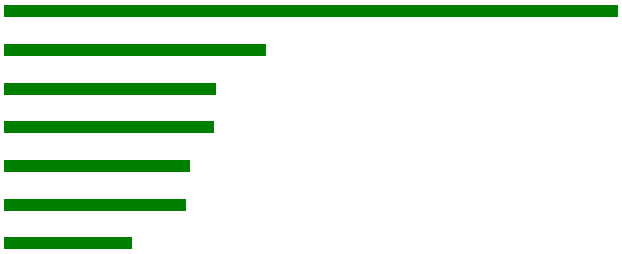
Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Terpenes by HS-GC-MS

Date Completed: 01/30/2025 11:50AM

Compound	CAS#	LOQ (%)	%
Beta-caryophyllene	87-44-5	0.1000	0.6202
Farnesene	502-61-4	0.1000	0.2638
Alpha-humulene	6753-98-6	0.1000	0.2128
Terpinolene	586-62-9	0.1000	0.2112
Beta-myrcene	123-35-3	0.1000	0.1862
Valencene	4630-07-3	0.1000	0.1829
Limonene	5989-27-5	0.1000	0.1282
Results based on dry weight			
Alpha-pinene	80-56-8	0.1000	ND

Relative Concentration



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Inzane .5g Pre-roll

Compound	CAS#	LOQ (%)	%	Relative Concentration
Linalool	78-70-6	0.1000	ND	
Beta-pinene	127-91-3	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: 01/31/2025 2:06 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: 01/31/2025 2:06 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	8.0	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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Water Activity

Pass

Analysis Date: 01/31/2025 2:06 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.36	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: 02/03/2025 11:05 am

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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Pesticides by LCMSMS

Pass

Analysis Date: 02/03/2025 11:05 am

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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Sample #: 10519 **Inzane .5g Pre-roll**

Pesticides by LCMSMS

Pass

Analysis Date: 02/03/2025 11:05 am

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 #: 10519 **Inzane .5g Pre-roll**

Mycotoxins by LCMSMS

Pass

Analysis Date: 02/03/2025 11:03 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: 01/30/2025 10:49 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	0.0369	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	6.70	Pass
Lead	0.00250	0.500	0.0221	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	5.00	0.0573	Pass

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

Micro by Petri & qPCR

Pass

Analysis Date: 01/29/2025 3:14 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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Micro by Petri & qPCR

Pass

Analysis Date: 01/29/2025 3:14 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		1000	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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