

Nanticoke Hemp Inc.

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

Certificate of Analysis

Final



Date Released: 10/22/2025 6:01:24PM

Report #: 93163

Pluto .5g Preroll

Sample #: 20956, Weight: 10.00g, Unit Count:
Order #: X251014-0001

Category/Type: Plant, Preroll

Date Collected: 10/13/2025 5:00:00PM

Date Received: 10/14/2025 10:37:53AM

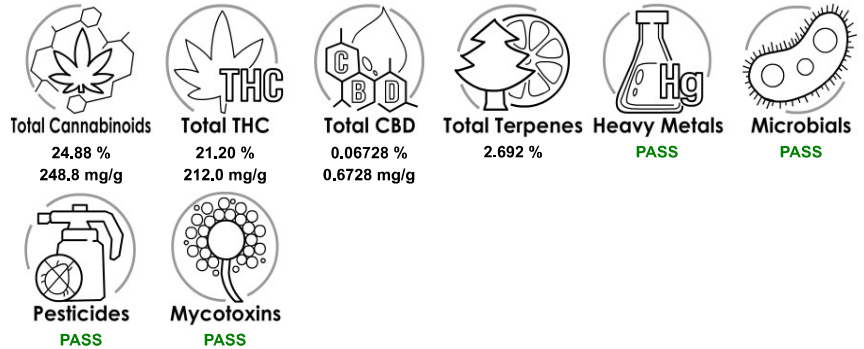
Date Sampled: 10/13/2025 9:12:00AM

Regulator Sample ID: PL052004PR

Regulator Source Package ID: PL052004PR

Regulator Batch ID: PL052004PR

Size: 10000Units, Unit Count:



Cannabinoids Avg

Total Cannabinoids: **24.88 % - 248.8 mg/g**
Total THC: **21.20 % - 212.0 mg/g**
Total CBD: **0.06728 % - 0.6728 mg/g**

Date Completed: 10/15/2025 11:22AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	23.32	233.2	
d9-THC	1972-08-3	0.001000	0.7504	7.504	
CBGa	25555-57-1	0.001000	0.5819	5.819	
CBG	25654-31-3	0.001000	0.1444	1.444	
CBDa	1244-58-2	0.001000	0.07671	0.7671	
CBDV	24274-48-4	0.001000	ND	ND	
THCV	31262-37-0	0.001000	ND	ND	

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Note: Moisture Content, Water Activity, Foreign matter and Micro testing was completed separately by sub-contracted Laboratory.

Results based on simple acceptance, not taking into consideration measurement uncertainty.

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-00007

Kelly Greenland

Dr. Kelly Greenland, Lab Director





Sample #: 20956

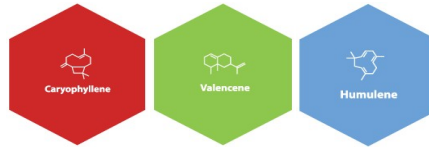
Pluto .5g Preroll

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBD	13956-29-1	0.001000	ND	ND	
CBN	521-35-7	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	
CBC	20675-51-8	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: 10/15/2025 12:36PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	0.9789	
Farnesene	502-61-4	0.1000	0.4068	
Valencene	4630-07-3	0.1000	0.2772	
Alpha-humulene	6753-98-6	0.1000	0.2699	
Limonene	5989-27-5	0.1000	0.2598	
Beta-myrcene	123-35-3	0.1000	0.2293	
Alpha-bisabolol	515-69-5	0.1000	0.1449	
Linalool	78-70-6	0.1000	0.1251	

Results based on dry weight

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Sample #: 20956

Pluto .5g Preroll

Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-pinene	80-56-8	0.1000	ND	
Beta-pinene	127-91-3	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
Ocimene	13877-91-3	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.

Pesticides by LCMSMS

Pass

Analysis Date: 10/17/2025 2:04 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

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Sample #: 20956

Pluto .5g Preroll

Pesticides by LCMSMS

Pass

Analysis Date: 10/17/2025 2:04 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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

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Sample #: 20956

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Pesticides by LCMSMS

Pass

Analysis Date: 10/17/2025 2:04 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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

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Sample #: 20956

Pluto .5g Preroll

Pesticides by LCMSMS

Pass

Analysis Date: 10/17/2025 2:04 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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: 10/17/2025 2:03 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: 10/15/2025 10:38 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	0.0360	Pass
Arsenic	0.00100	0.200	ND	Pass
Cadmium	0.00150	0.200	0.0977	Pass
Chromium	0.280	110	0.280	Pass
Copper	0.0750	30.0	6.43	Pass

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Sample #: 20956

Pluto .5g Preroll

Heavy Metals by ICPMS

Pass

Analysis Date: 10/15/2025 10:38 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Lead	0.00250	0.500	0.116	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	5.00	0.137	Pass

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

Micro by Petri & qPCR

Pass

Analysis Date: 10/22/2025 9:52 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

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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Certificate of Analysis

NYS Cannabis Compliance

Biotrax Testing Laboratory Inc. - Cannabis
3580 Harlem Road Suite 2, Cheektowaga, New York
reporting@biotrax.net 7166510146
Lic# OCM-CPL # 00005
PJLA/ISO/IEC 17025 # 73827
DEA #: RB0572671

1 of 2

Keystone State Testing

Order No.: OBTX1015-0004137
1809 Vestal Parkway East
Vestal, New York, 13850
alishag.keystone@gmail.com
6073040884
OCM-CPL-00007

Laboratory Sample ID: 251015-G

Batch Id: **PL052004PR**, Batch Size: -, Units Sampled: -, Sample Size: **5.028 grams**
Sample Collection Site:
Date/Time Collected: 10/14/2025 00:00
Date/Time Received: 10/14/2025 15:30
Report Created: 10/20/2025 16:08
Sampling SOP- SOP# 006

Sample Name: Pluto 0.5g Pre-Roll

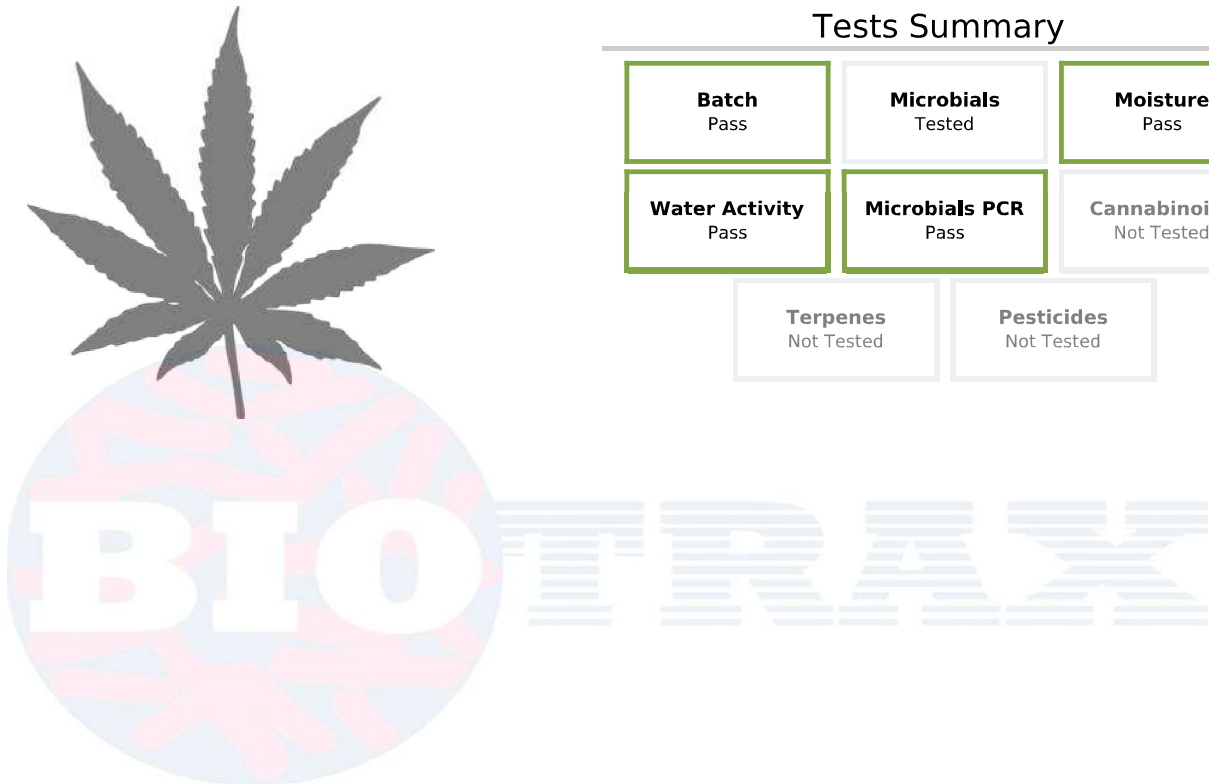
Plant, Preroll



Scan QR Code to verify
COA

Tests Summary

Batch Pass	Microbials Tested	Moisture Pass
Water Activity Pass	Microbials PCR Pass	Cannabinoids Not Tested
Terpenes Not Tested		Pesticides Not Tested



Verified By: **Steve Heine**
Quality Control Officer

This report must not be reproduced, except in full, without the expressed written approval of the Laboratory's Facility Director(s) or Laboratory Manager.

All flower products are corrected to Dry Weight Basis. ND=Not Detected, LOQ=Limit of Quantitation. This product has been tested by Biotrax Testing Laboratory Inc, using valid testing methodologies and a quality system as required by New York state law. Values reported relate only to the product tested and batched under the batch number identified above. Biotrax Testing Laboratory Inc makes no claims as to the efficacy, safety, or other risks associated with any results reported herein. This Certificate must not be altered, and shall not be reproduced except in full, without the written approval of Biotrax Testing Laboratory Inc.



Certificate of Analysis

NYS Cannabis Compliance

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3580 Harlem Road Suite 2, Cheektowaga, New York
reporting@biotrax.net 7166510146
Lic# OCM-CPL # 00005
PJLA/ISO/IEC 17025 # 73827
DEA #: RB0572671

2 of 2

Keystone State Testing

Order No.: OBTX1015-0004137
1809 Vestal Parkway East
Vestal, New York, 13850
alishag.keystone@gmail.com
6073040884
OCM-CPL-00007

Laboratory Sample ID: 251015-G

Batch Id: **PL052004PR**, Batch Size: -, Units Sampled: -, Sample Size: **5.028 grams**
Sample Collection Site:
Date/Time Collected: 10/14/2025 00:00
Date/Time Received: 10/14/2025 15:30
Report Created: 10/20/2025 16:08
Sampling SOP- SOP# 006

Sample Name: Pluto 0.5g Pre-Roll

Plant, Preroll



Scan QR Code to verify
COA

Microbials

SOP-0100-0104
Date/Time Tested: 10/15/25 10:42

Tested

Analyte	LOQ (CFU/g)	CFU/g
Aerobic Bacteria	100	<100
Yeast & Mold	100	<100

Moisture

SOP-058
Date/Time Tested: 10/17/25 09:40

Pass

Analyte	Limit (%)	%	Status
Moisture	15.0	10.22	Passed

Water Activity

SOP-059
Date/Time Tested: 10/17/25 09:15

Pass

Analyte	Limit (aw)	aw	Status
Water Activity	0.65	0.32	Passed

Microbials PCR

SOP-065-066
Date/Time Tested: 10/17/25 10:53

Pass

Analyte	LOQ	Limit	Result
Salmonella	1	Absent	Absent
Shiga Toxin E. Coli	1	Absent	Absent

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