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: 6/13/2024 4:26:20PM

Report #: 17926

Durban Poison .5g PR

Sample #: 5012, **Weight:** 10.00g, **Unit Count:**
Order #: X240609-0001
Category/Type: Plant, Preroll
Date Collected: 6/9/2024 4:13:05PM
Date Received: 6/9/2024 4:26:15PM
Regulator Sample ID: Lot 080304PR
Regulator Source Package ID: Lot 080304PR
Regulator Batch ID: Lot 080304PR

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

Total Cannabinoids	Total THC	Total CBD	Total Terpenes	Moisture	Heavy Metals
27.5 %	23.6 %	0.0583 %	1.4 %	10.5 %	PASS
275.1 mg/g	236.5 mg/g	0.5834 mg/g			

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

Potency Analysis by HPLC

Total Cannabinoids: **27.5 % - 275.1 mg/g**
Total THC: **23.6 % - 236.5 mg/g**
Total CBD: **0.0583 % - 0.5834 mg/g**

Date Completed: 06/10/2024 4:45PM

Compound	CAS#	LOQ (%)	%	mg/g
THCa	23978-85-0	0.001000	26.24	262.4
d9-THC	1972-08-3	0.001000	0.6326	6.326
CBGa	25555-57-1	0.001000	0.4049	4.049
CBG	25654-31-3	0.001000	0.1678	1.678
CBDa	1244-58-2	0.001000	0.06652	0.6652
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
THCV	31262-37-0	0.001000	ND	ND
CBD	13956-29-1	0.001000	ND	ND
CBDV	24274-48-4	0.001000	ND	ND
CBC	20675-51-8	0.001000	ND	ND
CBN	521-35-7	0.001000	ND	ND

Relative Concentration

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.

d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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Permit #: OCM-CPL-2022-00007

ACCREDITED
CERTIFICATE NUMBER 4405.03

Dr. Kelly Greenland, Lab Director

Report Date: 06/13/2024 4:29:43PM

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Sample #: 5012

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d9-THC		0.001000	0.6326	6.326
CBGa		0.001000	0.4049	4.049
CBG		0.001000	0.1678	1.678
CBDa		0.001000	0.06652	0.6652
CBDV		0.001000	ND	ND
THCV		0.001000	ND	ND
CBD		0.001000	ND	ND
CBN		0.001000	ND	ND
d8-THC		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		0.001000	ND	ND

Relative Concentration

Terpenes by HS-GC-MS

Date Completed: 06/10/2024 9:30AM

Compound	CAS#	LOQ (%)	%
Alpha-pinene	80-56-8	0.1000	0.4568
Beta-myrcene	123-35-3	0.1000	0.3495
Beta-pinene	127-91-3	0.1000	0.1758
Farnesene	502-61-4	0.1000	0.1450
Limonene	5989-27-5	0.1000	0.1215
Beta-caryophyllene	87-44-5	0.1000	0.1107
Alpha-humulene	6753-98-6	0.1000	ND
Linalool	78-70-6	0.1000	ND

Relative Concentration

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Sample #: 5012

Durban Poison .5g PR

Compound	CAS#	LOQ (%)	%	Relative Concentration
Terpinolene	586-62-9	0.1000	ND	
Borneol	464-43-7	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	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
Gamma-terpinene	99-85-4	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		0.1000	ND	
Pulegone	89-82-7	0.1000	ND	

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Sample #: 5012 — Durban Poison .5g PR

Compound	CAS#	LOQ (%)	%	Relative Concentration
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	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: 06/10/2024 4:07 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: 06/10/2024 5:03 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	10.5	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: 06/10/2024 4:07 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: 06/12/2024 2:01 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

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Sample #: 5012 **Durban Poison .5g PR**

Pesticides by LCMSMS

Pass

Analysis Date: 06/12/2024 2:01 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass

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Sample #: 5012 **Durban Poison .5g PR**

Pesticides by LCMSMS

Pass

Analysis Date: 06/12/2024 2:01 pm

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

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Sample #: 5012 **Durban Poison .5g PR**

Pesticides by LCMSMS

Pass

Analysis Date: 06/12/2024 2:01 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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: 06/12/2024 2:01 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.

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Sample #: 5012 **Durban Poison .5g PR**

Heavy Metals by ICPMS

Pass

Analysis Date: 06/13/2024 11:10 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.00312	Pass
Cadmium	0.00150	0.300	0.0304	Pass
Chromium	0.280	110	0.361	Pass
Copper	0.0750	30.0	6.61	Pass
Lead	0.00250	0.500	0.0995	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	5.00	0.221	Pass

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

Micro by Petri & qPCR

Pass

Analysis Date: 06/12/2024 3:56 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
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

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".

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