

**Report To:**

Connecticut Pharmaceutical Solutions
Rino Ferrarese & Mark June-Wells, Ph.D.
Kim Provera & Nancy Polltrack
47 Lower Main St
Portland CT 06480

Date Received: 2/09/2016

Date Tested: 2/09/2016

Laboratory Report#: N1665108 – 04

1st Email Report via R.Picard: 2/10/2016

E-Mail: rino.ferrarese@ctpharma.com
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kim.provera@ctpharma.com
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COA Report Date: 2/16/2016 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
Date Collected:	2/09/2016 14:05	Collected By: CA of NELabs	
Laboratory ID #:	1665108 – 04		
Product Description:	OC0029 ★		

★ = Note: Per Mark June-Well's 2/16/2016 email, product #OC0029's pedigree is (e.g. was made from):

- Ghost Train Haze Flower, Batch GTH 072315 = per NELabs' Report #N1564279-02 received for Full Range Tests on 11/09/2015 with the Full Range Report released 11/17/2015.

★ = Sample #OC0029

<u>CANNABINOIDS</u>	<u>★N1665108-04</u>	<u>2/09/2016</u>
<u>(% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	1.15	% weight
CBG	1.38	% weight
CBD	----	% weight
THCV	0.31	% weight
CBN	0.46	% weight
THC	41.93	% weight
CBC	----	% weight
THCA	17.66	% weight

METHODS: HPLC**Comments:** Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/09/2016

Approved By:

Alan C. Johnson, Laboratory Director

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★ = Sample #OC0029

<u>TERPENE PROFILE</u>			<u>★N1665108-04</u>	<u>2/09/2016</u>
<u>(% Dry Weight)</u>	<u>Results</u>	<u>Units</u>		
<u>Monoterpenoids</u>				
a-pinene	0.55	%		
b-pinene	0.52	%		
b-myrcene	1.27	%		
limonene	1.58	%		
ocimene	0.45	%		
terpinolene	2.83	%		
linalool	0.55	%		
<u>Sesquiterpenoids</u>				
b-caryophyllene	3.63	%		
humulene	1.54	%		
trans-nerolidol	---	%		
caryophyllene oxide	---	%		
b-eudesmol	0.54	%		

METHODS: GC, GC/MS**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/09/2015

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com

Telephone: 860-828-9787 Toll Free (In State) 800-826-0105 (Out of State) 800-654-1230 Fax: 860-829-1050

CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 DEA Reg.: Federal #RN0281852 + CT #624

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 11/09/2015

Date Tested: 11/09/2015

Laboratory Report#: N1564279

Report Date: 11/17/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	11/09/2015 12:35 PM
Collected by:	CA of NELabs
Laboratory ID #:	1564279 - 02
Product Description:	GHOST TRAIN HAZE FLOWER, BATCH #GTH072315

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	100	per gram	PASS	100,000
Total Yeast & Mold Count	100	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<100	per gram	PASS	1,000
Coliform	<100	per gram	PASS	1,000
Enteropathogenic E.coli	Not Detected	per gram	PASS	Not Detected
Salmonella species	Not Detected	per gram	PASS	Not Detected

* **RECOMMENDED LIMITS:** per American Herbal Pharmacopoeia (2013)

PASS = Product meets Microbial and Fungal Recommended Limits
per American Herbal Pharmacopoeia (2013)

METHODS: USP 2021, USP 2022, FDA-BAM, AOAC 996.09

Comments:

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Date Tested: 11/12+13/2015

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Collected by:	CA of NELabs
Laboratory ID #:	1564279 - 02
Product Description:	GHOST TRAIN HAZE FLOWER, BATCH #GTH072315

HEAVY METALS:				
Parameter	Result	Units		Limits
Arsenic, Total	<0.0005	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.002	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.002	µg/kg BW/day	PASS	<0.29
Mercury, Total	<0.005	µg/kg BW/day	PASS	<0.29

Daily Dose: 1 gram**Body Weight:** 50 kilograms

METHODS: USP <232> and <233> (Modified)
AOAC 986.15, 935.50, 971.21
FCC 7, Appendix 3

LIMITS: per American Herbal Pharmacopoeia (2013)

PASS = Product meets Heavy Metals Recommended Limits
per American Herbal Pharmacopoeia (2013)

Comments:

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<u>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.07	%
b-myrcene	0.49	%
limonene	0.52	%
ocimene	---	%
terpinolene	---	%
linalool	0.09	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.56	%
humulene	0.21	%
trans-nerolidol	---	%
caryophyllene oxide	0.01	%
b-eudesmol	0.10	%

METHODS: GC, GC/MS**Comments:**

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Product Description:	GHOST TRAIN HAZE FLOWER, BATCH #GTH072315

PESTICIDES LC (MS/MS)				
Parameter	Result	Units		Limits
Abamectin	<0.01	mg/kg	PASS	15
Acequinocyl	<0.01	mg/kg	PASS	14
Azadiractin	<0.01	mg/kg	PASS	60
Bifenazate	<0.01	mg/kg	PASS	6
Bifenthrin	<0.01	mg/kg	PASS	12
Chlormequat Chloride	<0.01	mg/kg	PASS	30
Cyfluthrin	<0.01	mg/kg	PASS	12
Daminozide	<0.01	mg/kg	PASS	270
Etoxazole	<0.01	mg/kg	PASS	24
Fenoxycarb	<0.01	mg/kg	PASS	32
Imazalil	<0.01	mg/kg	PASS	6
Imidacloprid	<0.01	mg/kg	PASS	36
Myclobutanil	<0.01	mg/kg	PASS	18
Paclobutrazol	<0.01	mg/kg	PASS	13
Pyrethrum	<0.01	mg/kg	PASS	3
Spinosad	<0.01	mg/kg	PASS	12
Spiromesifen	<0.01	mg/kg	PASS	15
Spirotetramat	<0.01	mg/kg	PASS	30
Trifloxystrobin	<0.01	mg/kg	PASS	60

LOQ = 1.0 µg/kg LOD = 0.1 µg/kg

METHODS: LC – MS/MS (Restek Method)**LIMITS:** per FAO - WHO**Comments:**

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Product Description:	<u>GHOST TRAIN HAZE FLOWER, BATCH #GTH072315</u>

<u>MYCOTOXINS</u>				
<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
<u>Method: USP 561-II</u>				
Aflatoxin B1	<5	µg/kg	PASS	5
Aflatoxin B2	<5	µg/kg	PASS	5
Aflatoxin G1	<5	µg/kg	PASS	5
Aflatoxin G2	<5	µg/kg	PASS	5
<u>Method: USP 561-II (Mod)</u>				
Ochratoxin-A	<5	µg/kg	PASS	5

METHODS: USP <561>

Articles of Botanical Origin: Aflatoxins Method 2 (modified for Ochratoxin)

LIMITS: per American Herbal Pharmacopoeia (2013)**Comments:**

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