



Report To:

Connecticut Pharmaceutical Solutions

Rino Ferrarese & Mark June-Wells, Ph.D.,
Kim Provera & Nancy Polltrack47 Lower Main St
Portland CT 06480

Date Received: 4/21/2016 =#1665825★★

4/26/2016=#1665867★

Date Tested: 4/27/2016★ & 4/22/2016★★

Date 1st Emailed by C.Appell: 4/28/2016★ & 4/25/2016★★

Laboratory Report#: N1665867 - 07★

& N1665825 - 01 ★★

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COA Report Date: 5/2/2016 ★(Cannabinoids)

COA Update Report: 5/06/2016 ★★ (Terpenes,
Density &
Residual Solvents)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS 47 LOWER MAIN STREET, PORTLAND CT	
Date Collected:	4/26/2016 11:45 AM	Collected By: CA of NELabs
Laboratory ID #:	1665867 - 07	& 1665825 - 01 ★★
Product Description:	RS0027-RETEST ★ (see Cannabinoids)	★★RS0027 (see Terpenes, Density & Residual Solvents)

★ = Note: Per Mark June-Well's 4/28/2016 ★email, and 5/06/2016★★ email product #RS0027= 1st sample received 4/22/2016; with subsequent 4/26/2016 RS0027 RETEST sample's pedigree is (e.g. was made from):

★ **RS0027-RETEST = NELabs' Report #N1665867 -07** ★ = sample was received for Cannabinoids analysis on 4/26/2016; tested on 4/27/2016, with results 1st emailed by C.Appell on 4/28/2016; and a RS0027-RETEST "Duplicate" further tested on the same dates = see Cannabinoids results of #RS0027-RETEST and the RETEST "Duplicate" below....

AND

★★ **RS0027= NELabs' Report #N1665825 -01** ★★ = sample was received for Terpenes, Density and Residual Solvents analysis on 4/21/2016; tested on 4/22/2016, with results 1st emailed by C.Appell on 4/25/2016

- see Terpenes ★★ results on page #2 herein;
- see Density ★★ and Residual Solvents ★★ results on page #3 herein.
- **D0041 = NELabs' Report #N1665606-05** = sample was received for Cannabinoids, Terpenes, Density, and Residual Solvents analysis on 4/01/2016; with Cannabinoids tested on 4/04/2016 and results 1st emailed by C.Appell on 4/04/2016
- **C0057 = NELabs' Report #N1665449-05** = sample was received for Cannabinoids, Terpenes, Density, and Residual Solvents analysis on 3/15/2016. The Cannabinoids were 1st tested on 3/15/2016 with a subsequent "duplicate" sample #C0057-05-Dup = tested on 3/16/2016, and results 1st of #C0057-05-Dup were emailed by C.Appell on 3/17/2016.
- **GHT072315 (Ghost Train Haze Flower) = NELabs' Report #N1554279-02** = sample was received for Full Range analysis on 11/09/2015, tested on 11/09/2015, with email 1st by R.Picard on 11/09/2015; and the Full Range report was released 11/17/2015.

<u>CANNABINOIDS</u>	<u>★ = Sample #RS0027- RETEST 4/27/2016</u>	<u>★ = Sample #RS0027- RETEST "Duplicate" 4/27/2016</u>	
<u>(% weight)</u>	<u>Result</u>	<u>Result</u>	<u>Units</u>
CBDV	----	----	% weight
CBDA	----	----	% weight
CBGA	0.62	0.60	% weight
CBG	2.06	2.06	% weight
CBD	0.14	0.14	% weight
THCV	0.28	0.29	% weight
CBN	0.56	0.57	% weight
THC	51.57	51.42	% weight
CBC	1.12	1.12	% weight
THCA	0.23	0.24	% weight

METHODS: HPLC Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/26/2016

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

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COA Update Report: 5/06/2016 ★★ (Terpenes,
Density &
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AND

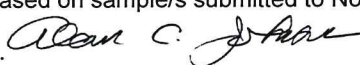
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- C0057 = NELabs' Report #N1665449-05 = sample was received for Cannabinoids, Terpenes, Density, and Residual Solvents analysis on 3/15/2016. The Cannabinoids were 1st tested on 3/15/2016 with a subsequent "duplicate" sample #C0057-05-Dup = tested on 3/16/2016, and results 1st of #C0057-05-Dup were emailed by C.Appell on 3/17/2016.
- GHT072315 (Ghost Train Haze Flower) = NELabs' Report #N1554279-02 = sample was received for Full Range analysis on 11/09/2015, tested on 11/09/2015, with email 1st by R.Picard on 11/09/2015; and the Full Range report was released 11/17/2015.

★★ = Sample #RS0027 = tested 4/22/2016

TERPENE PROFILE (% Dry Weight)		Result	Units
Monoterpenoids			
a-pinene	---	---	%
b-pinene	---	---	%
b-myrcene	---	---	%
limonene	---	---	%
ocimene	---	---	%
terpinolene	---	---	%
linalool	---	---	%
Sesquiterpenoids			
b-caryophyllene	0.09	0.09	%
humulene	0.04	0.04	%
trans-nerolidol	---	---	%
caryophyllene oxide	---	---	%
b-eudesmol	0.27	0.27	%

METHODS: GC, GC/MS Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/21/2016

Approved By: 

Alan C. Johnson, Laboratory Director

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★★ = Sample #RS0027 = tested 4/22/2016

	<u>Result</u>	<u>Units</u>	<u>Method</u>
<u>DENSITY</u>	1.0174	g/cm ³ @ 20°C	Gravimetric

★★ = Sample #RS0027 = tested 4/22/2016

	<u>Result</u>	<u>Units</u>	<u>Method</u>
<u>RESIDUAL SOLVENTS</u> <u>(ETOH - Alcohol)</u>	<0.01	%	Headspace GC

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 5/03/2016

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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

Parameter	Result	Units	Recommended Limits *
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

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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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Date Received: 11/09/2015**Date Tested:** 11/10/2015**Laboratory Report#:** N1564279**Report Date:** 11/17/2015**E-Mail:** rino.ferrarese@ctpharma.com

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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
Chloromequat 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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MYCOTOXINS				
Parameter	Result	Units		Limits
<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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