

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/31/2015

Date Tested: 8/06/2015

Laboratory Report#: N1563112

Report Date: 8/07/2015

(as emailed by R.Picard)

E-Mail: rino.ferrarese@ctpharma.com

Update Report: 8/13/2015
= as typed COA
(see below)

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	7/31/2015 14:00
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563112 - 05
<u>Product Description:</u>	EG 0009 = produced from GTH Flower (Ghost Train Haze) as rc'd @ NELabs 6/15/2015 = see 6/22/2015 Report #1562551 (06)

CANNABINOIDS (% weight) **		
	Result	Units
CBDA	----	% weight
CBG	2.46	% weight
CBD	0.19	% weight
CBN	0.64	% weight
THC	61.90	% weight
CBC	1.06	% weight
THCA	0.21	% weight

Note: Cannabinoids results were first emailed by R.Picard of NELabs on 8/07/2015

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/31/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 4/24/2015**Date Tested:** 4/24/2015**Laboratory Report#:** N1562064**Report Date:** 4/30/2015**Report Update:** 5/06/2015 (pg #6 only
see Cannabinoids)**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

<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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/24/2015

Approved By:

Alan C. Johnson,
Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese
47 Lower Main St
Portland CT 06480

Date Received: 4/24/2015**Date Tested:** 4/29/2015**Laboratory Report#:** N1562064**Report Date:** 4/30/2015**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

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	<0.0002	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:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/24/2015

Approved By:

Alan C. Johnson,
Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: *Rino Ferrarese*

47 Lower Main St

Portland CT 06480

Date Received: 4/24/2015

Date Tested: 4/28/2015

Laboratory Report#: N1562064

Report Date: 4/30/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

TERPENE PROFILE (% Dry Weight)		
	Result	Units
Monoterpenoids		
a-pinene	<0.01	%
b-pinene	0.11	%
b-myrcene	0.29	%
limonene	0.18	%
ocimene	0.11	%
terpinolene	0.26	%
linalool	0.11	%
Sesquiterpenoids		
b-caryophyllene	0.50	%
humulene	0.09	%
trans-nerolidol	<0.01	%
caryophyllene oxide	0.41	%
b-eudesmol	<0.01	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/24/2015

Approved By:

Alan C. Johnson,
Laboratory Director

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Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 4/24/2015**Date Tested:** 4/27/2015**Laboratory Report#:** N1562064**Report Date:** 4/30/2015**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/24/2015

Approved By:

Alan C. Johnson, Laboratory Director

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Date Received: 4/24/2015**Date Tested:** 4/27/2015**Laboratory Report#:** N1562064**Report Date:** 4/30/2015**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

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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Alan C. Johnson, Laboratory Director

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Portland CT 06480

E-Mail: rino.ferrarese@ctpharma.com

Date Received: 4/24/2015 = 5/01/2015
Date Tested: 4/27/2015 = 5/04/2015
Laboratory Report#: N1562064
Ref: N1562126 (01)
Report Date: 4/30/2015
Report Update: =5/06/2015 (pg #6 only
see Cannabinoids =
update results)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02 ★= Ref: N1562126 (01)
Product Description:	GTH FLOWER

CANNABINOIDS (% weight)	★	
	Result	Units
CBDA	0.07	% weight
CBG	0.25	% weight
CBD	<0.01	% weight
CBN	<0.01	% weight
THC	0.67	% weight
CBC	<0.01	% weight
THCA	23.70	% weight

METHODS: HPLC

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/24/2015
- = Report Update 5/06/2015 (see above)**

Approved By:

Alan C. Johnson,
Laboratory Director