



August 4, 2015

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

E-Mail: rino.ferrarese@ctpharma.com

Dear Mr. Ferrarese:

Enclosed is a Report (#N1562950 – 01) of the results for testing conducted on Train Wreck Flower from July 20, 2015. The report contains the original testing in which the Mold Count results exceeded the specification (13,000 per gram; with an acceptable level being $\leq 10,000$ per gram).

Product was contained in four (4) bins and results of Mold (Report #N1563044 – 01 to 04) showed three (3) bins with low numbers (<100, 300, and 900), and the fourth bin with an elevated count (7,800) but still within specification. It appears that the fourth bin contained product with elevated levels of mold, and confirmatory testing might be advisable for this bin.

The mold noted was of the genus *Penicillium*, which is the most common atmospheric mold in this area, and is non-toxicogenic.

Air plate sampling (Report #N1563045 – 01 to 12), conducted when resampling, showed low levels of atmospheric molds.

The source of the out-of-specification count may be linked to an isolated and localized contamination of a small number of plants.

If you have any questions regarding this report, please contact us.

NORTHEAST LABORATORIES, INC.



By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 8/11/2015

Test Date: 8/12/2015

Laboratory Report#: N1563233

Ref: 1st Email Report via R.Picard: 8/12/2015E-Mail: rino.ferrarese@ctpharma.com**Report Update:** 8/27/2015 ★★=see Product
Description Update

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	8/11/2015 14:35
Collected by:	CA of NELabs
Laboratory ID #:	1563233 - 04
	OC0013
	<i>per R. Ferrarese's 8/25/2015 email, this product was made from:</i>
★ = Product Description:	Train Wreck Flower Composite: BT-9A, BT-9-B, BT-29-A, BT-29-B, & F2 as rc'd @ NELabs 7/20/2015 = see 7/27/2015 Report #15625950-01 (as updated 8/04/2015)

CANNABINOIDS (% weight)		
	Result	Units
CBDA	0.11	% weight
CBG	1.41	% weight
CBD	---	% weight
CBN	0.11	% weight
THC	29.20	% weight
CBC	1.19	% weight
THCA	22.60	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 8/11/2015

* = Note: Cannabinoids result was already emailed by R.Picard of NELabs on 8/12/2015

Approved By:

Alan C. Johnson, Laboratory Director

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



Northeast Laboratories, Inc.

Analytical Report

Page 2 of 2

Report To:
Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese

Date Received: 8/11/2015
Test Date: 8/14/2015
+ 8/21/15 ReTest

47 Lower Main St
Portland CT 06480

Laboratory Report#: N1563233
Ref: *Emailed Report via*

R. Picard: 8/21/2015

Report Update: 8/27/2015 ★
★=see Product
Description Update

E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	8/11/2015 14:35
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563233 - 04 OC0013 <i>per R. Ferrarese's 8/25/2015 email, this product was made from:</i> <u>Train Wreck Flower Composite: BT-9A, BT-9-B, BT-29-A, BT-29-B, & F2</u> <u>as rc'd @ NELabs 7/20/2015</u> <u>= see 7/27/2015 Report #15625950-01 (as updated 8/04/2015)</u>
<u>★ = Product Description:</u>	

<u>TERPENE PROFILE</u>		
<u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>=8/21/2015 ReTest Results:</u>		
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	1.27	%
b-myrcene	3.60	%
limonene	4.43	%
ocimene	5.00	%
terpinolene	13.20	%
linalool	2.93	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	8.02	%
humulene	2.78	%
trans-nerolidol	---	%
caryophyllene oxide	1.83	%
b-eudesmol	0.15	%

METHODS: GC, GC/MS

Comments:T

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 8/11/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/20/2015

Date Tested: 7/20/2015

Laboratory Report#: N1562950

Report Date: 7/27/2015

★Report Update: 8/04/2015

(see "description" ★
below)E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
Product Description:	<u>TRAIN WRECK FLOWER</u> ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	50,000	per gram	PASS	100,000
Total Yeast & Mold Count	13,000	per gram	FAIL	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 996.09Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/20/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/20/2015**Date Tested:** 7/27/2015**Laboratory Report#:** N1562950**Report Date:** 7/27/2015**★Report Update:** 8/04/2015(see "description" ★
below)**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
Product Description:	TRAIN WRECK FLOWER ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

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	<0.0005	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: 7/20/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: *Rino Ferrarese*

47 Lower Main St

Portland CT 06480

E-Mail: rino.ferrarese@ctpharma.com

Date Received: 7/20/2015

Date Tested: 7/20/2015

Laboratory Report#: N1562950

Report Date: 7/27/2015

★Report Update: 8/04/2015

(see "description" ★
below)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT.
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
Product Description:	TRAIN WRECK FLOWER ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

TERPENE PROFILE (% Dry Weight)	Result	Units
Monoterpenoids		
a-pinene	0.07	%
b-pinene	0.13	%
b-myrcene	0.21	%
limonene	0.21	%
ocimene	0.21	%
terpinolene	0.67	%
linalool	0.11	%
Sesquiterpenoids		
b-caryophyllene	0.26	%
humulene	0.07	%
trans-nerolidol	0.10	%
caryophyllene oxide	0.04	%
b-eudesmol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/20/2015

Approved By:

Alan C. Johnson, Laboratory Director

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

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Date Received: 7/20/2015

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Laboratory Report#: N1562950

Report Date: 7/27/2015

★Report Update: 8/04/2015

(see "description" ★
below)

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Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
Product Description:	TRAIN WRECK FLOWER ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

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: 7/20/2015

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Date Received: 7/20/2015

Date Tested: 7/21/2015

Laboratory Report#: N1562950

Report Date: 7/27/2015

★Report Update: 8/04/2015

(see "description" ★
below)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
Product Description:	TRAIN WRECK FLOWER ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

MYCOTOXINS			
Parameter	Result	Units	Limits
<i>Method: USP 561-II</i>			
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
<i>Method: USP 561-II (Mod)</i>			
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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Date Received: 7/20/2015

Date Tested: 7/20/2015

Laboratory Report#: N1562950

Report Date: 7/27/2015

★**Report Update:** 8/04/2015(see "description" ★
below)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/20/2015 10:45
Collected by:	CA of NELabs
Laboratory ID #:	1562950 - 01
	TRAIN WRECK FLOWER == F2
Product Description:	★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

CANNABINOIDS (% weight)		
	Result	Units
CBDA	0.10	% weight
CBG	0.19	% weight
CBD	----	% weight
CBN	----	% weight
THC	0.92	% weight
CBC	----	% weight
THCA	26.30	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/20/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/28/2015

Date Tested: 7/28/2015

Laboratory Report#: N1563044

Report Date: 8/03/2015

★ = Report Update: 8/04/2015 = see description below ★E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	7/28/2015 09:15 == <u>ReSample #1 of 4</u>
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563044 – 01 ★== <u>Retest of Individual Bins</u>
<u>Product Description:</u>	<u>TRAIN WRECK FLOWER #BT – 9 - A</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	<100	per gram	PASS 10,000

*** 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: 7/28/2015


Approved By: Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/28/2015

Date Tested: 7/28/2015

Laboratory Report#: N1563044

Report Date: 8/03/2015

★ = Report Update: 8/04/2015 = see
description below ★E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/28/2015 09:15 == <u>ReSample #2 of 4</u>
Collected by:	CA of NELabs
Laboratory ID #:	1563044 - 02 ★== <u>Retest of Individual Bins</u>
Product Description:	<u>TRAIN WRECK FLOWER #BT – 9 - B</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	300	per gram	PASS 10,000

* **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: 7/28/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 7/28/2015

Date Tested: 7/28/2015

Laboratory Report#: N1563044

Report Date: 8/03/2015

★ = Report Update: 8/04/2015 = see
description below ★E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	7/28/2015 09:15 == <u>ReSample #3 of 4</u>
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563044 - 03 ★== <u>Retest of Individual Bins</u>
<u>Product Description:</u>	<u>TRAIN WRECK FLOWER #BT – 29 - A</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	900	per gram	PASS 10,000

* 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 996.09Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/28/2015

Approved By:

Alan C. Johnson, Laboratory Director

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Attn: Rino Ferrarese

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Date Received: 7/28/2015

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Laboratory Report#: N1563044

Report Date: 8/03/2015

★ = Report Update: 8/04/2015 = see
description below ★

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/28/2015 09:15 == <u>ReSample #4 of 4</u>
Collected by:	CA of NELabs
Laboratory ID #:	1563044 - 04 ★== <u>Retest of Individual Bins</u>
Product Description:	<u>TRAIN WRECK FLOWER #BT – 29 - B</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	7,800	per gram	PASS 10,000

* **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 996.09Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/28/2015

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