

**Report To:**

Connecticut Pharmaceutical Solutions
Rino Ferrarese & Mark June-Wells, Ph.D.
47 Lower Main St
Portland CT 06480
E-Mail: rino.ferrarese@ctpharma.com
& mjunewells@aerlimnology.com

Date Received: 12/23/2015

Date Tested: 12/24/2015

Laboratory Report#: N1564691 - 08

1st Email Report via R.Picard: 12/24/2015

Report Date: 12/30/2015 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	12/23/2015
Collected by:	CA of NELabs
Laboratory ID #:	1564691 – 08
Product Description:	#EG0024

★ = Sample #EG0024: This sample, NELabs' #N1564691-08, was received on 12/23/2015, tested on 12/24/2015, and reported via email by Ryan Picard on 12/24/2015 == see CANNABINOIDS results below...

Note: Per Mark June Well's 12/28/15 email, product #EG0024 was made from:

- D0034 = NELabs #N1564626-01 for potency (plus: Density & Residual ETOH) as received 12/17/2015; tested 12/17/2015, with results 1st emailed by Ryan Picard 12/17/2015.
- C0048 = NELabs #N1564541-08 for potency, as received 12/07/2015; tested 12/08/2015, with results 1st emailed by Ryan Picard 12/08/2015.
- TWK033115 (originally reported as Train Wreck Flower = NELabs #N1562950, as received for Full Range tests on 07/20/2015, with the Cannabinoids tested 07/21/2015. The Full Range Report was released 07/27/2015 (Updated 08/04/2015== with Cannabinoids reported on page #6 therein.
 - Note: Report #N1562950 was amended to include Yeast & Mold Re-tests on 08/03/2015 (updated 08/04/2015) as Report #N1563044(01-04).

<u>CANNABINOIDS</u>	<u>12/23/2015 #EG0024</u>	
<u>(% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.51	% weight
CBG	1.11	% weight
CBD	----	% weight
THCV	----	% weight
CBN	0.29	% weight
THC	32.13	% weight
CBC	1.80	% weight
THCA	1.24	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/23/2015.

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: 7/27/2015

Laboratory Report#: N1562950

Report Date: 7/27/2015

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

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

<u>HEAVY METALS:</u>				
<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
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 gramBody 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

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Report Date: 7/27/2015

★Report Update: 8/04/2015

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

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

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

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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)E-Mail: rino.ferrarese@ctpharma.com

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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>PESTICIDES LC (MS/MS)</u>				
<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
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 - WHOComments:

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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

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

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<u>Laboratory ID #:</u>	1562950 - 01
<u>Product Description:</u>	TRAIN WRECK FLOWER ★ = Composite: (BT-9-A, BT-9-B, BT-29-A, BT-29-B), F2

<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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<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1562950 - 01
<u>Product Description:</u>	TRAIN WRECK FLOWER == F2 ★ = 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:**

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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 == ReSample #1 of 4
Collected by:	CA of NELabs
Laboratory ID #:	1563044 - 01 ★ == Retest of Individual Bins
Product Description:	TRAIN WRECK FLOWER #BT - 9 - A

<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 996.09Comments:

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

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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 ★ == Retest of Individual Bins
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 996.09Comments:

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Laboratory Report#: N1563044
Report Date: 8/03/2015
★ = 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:	7/28/2015 09:15 == <u>ReSample #3 of 4</u>
Collected by:	CA of NELabs
Laboratory ID #:	1563044 - 03 ★ == Retest of Individual Bins
Product Description:	<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 996.09

Comments:

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Date Received: 7/28/2015

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Report Date: 8/03/2015

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description below ★

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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 ★ == Retest of Individual Bins
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 996.09

Comments:

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