

**Report To:**

Connecticut Pharmaceutical Solutions
Rino Ferrarese & Mark June-Wells, Ph.D.

47 Lower Main St
Portland CT 06480

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Date Received: 10/12/2015

Date Tested: 10/13/2015

Laboratory Report#: N1564002 - 22

1st Email Report via R.Picard: 10/14/2015

Report UPDATE: 10/19/2015 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	10/12/2015 11:20
Collected by:	CA of NELabs
Laboratory ID #:	<u>1564002 - 22</u>
Product Description:	<u>#HS0002</u>

★ = Sample #HS0002 == This sample, NELabs' #N1564002-22, was received on 10/12/2015, tested on 10/13/2015, and reported via email by Ryan Picard on 10/13/2015.

Note: Per Mark June Well's 10/15/15 email, product #HS0002 was made from:

- **TWK (Train Wreck) Kief #050115**, as received 9/04/2015, tested 9/04/2015, and as reported as page #6 of that full range COA on 9/11/2015.

<u>CANNABINOIDS</u> <u>(% weight)</u>	★10/12/2015 <u>#HS0002</u>	
	<u>Result</u>	<u>Units</u>
CBDA	---	% weight
CBG	0.63	% weight
CBD	---	% weight
CBN	---	% weight
THC	14.70	% weight
CBC	0.59	% weight
THCA	29.10	% weight

METHODS: HPLC

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/12/2015
* = Note: #HS0002 Cannabinoids result was already emailed by R.Picard of NELabs on 10/14/2015.

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: 9/04/2015

Date Tested: 9/04/2015

Laboratory Report#: N1563597

Report Date: 9/11/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	9/04/2015 10:10
Collected by:	CA of NELabs
Laboratory ID #:	1563597 - 01
Product Description:	TWK (TRAIN WRECK) KIEF 050115

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	1,400	per gram	PASS	100,000
Total Yeast & Mold Count	2,200	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 996.09Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 9/04/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 9/04/2015

Date Tested: 9/08/2015

Laboratory Report#: N1563597

Report Date: 9/11/2015

E-Mail: rino.ferrarese@ctpharma.com

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Date Collected:	9/04/2015 10:10
Collected by:	CA of NELabs
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Product Description:	TWK (TRAIN WRECK) KIEF 050115

HEAVY METALS:

<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 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 Tested: 9/04/2015

Laboratory Report#: N1563597

Emailed 1st by R. Picard on 9/08/2015

Report Date: 9/11/2015

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<u>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	0.14	%
b-pinene	0.28	%
b-myrcene	0.20	%
limonene	0.30	%
ocimene	0.14	%
terpinolene	0.75	%
linalool	0.27	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.66	%
humulene	0.16	%
trans-nerolidol	0.24	%
caryophyllene oxide	0.09	%
b-eudesmol	0.02	%

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

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Date Received: 9/04/2015**Date Tested:** 9/08/2015**Laboratory Report#:** N1563597**Emailed 1st by R. Picard** on 9/08/2015**Report Date:** 9/11/2015**E-Mail:** rino.ferrarese@ctpharma.com

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Collected by:	CA of NELabs
Laboratory ID #:	1563597 – 01
Product Description:	TWK (TRAIN WRECK) KIEF 050115

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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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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