

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese,Mark June-Wells & Kim Provera

47 Lower Main St

Portland CT 06480

Date Received: 1/07/2016

Date Tested: 1/11/2016

1st Emailed: 1/11/2016 by R.Picard

E-Mail: rino.ferrarese@ctpharma.com

mjnewells@aerlimnology.com

kim.provo@ctpharma.com

Laboratory Report#: N1664795 - 01

Report Date: 1/20/2016

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	1/07/2016 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1664795 – 01
Product Description:	OC 0025
Note, per Mark June-Wells, Ph.D.'s 1-14-2016 email instructions, the above sample was: derived from CPS's Sample: TWK (TRAIN WRECK) KIEF #050115 (a/k/a "TWK050115" = per Mr. June-Well's 1/14/16 email) a) as reported in NELabs' TWK-Train Wreck Kief #055011 Full Range Report #N1563597 - 01 b) with the Potency/Cannabinoids == received 9/04/2015, tested 9/04/2015, emailed 1st on 9/08/2015 and the typed Full Range Report issued 9/11/2015, including COA results == page 6 therein. c) Results below are #N1664795-01, per sample #OC 0025 as received 1/07/2016 / tested 1/11/2016	

<u>CANNABINOIDS</u> <u>(% weight)</u>	<u>1/07/16 Sample,</u> <u>as tested 1/11/2016</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight	
CBDA	----	% weight	
CBGA	2.50	% weight	
CBG	0.83	% weight	
CBD	----	% weight	
THCV	----	% weight	
CBN	----	% weight	
THC	6.13	% weight	
CBC	0.31	% weight	
THCA	74.70	% weight	

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 1/07/2016

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

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

**Report To:**

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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

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

<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 996.09**Comments:**

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

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Attn: Rino Ferrarese

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Date Received: 9/04/2015

Date Tested: 9/08/2015

Laboratory Report#: N1563597

Report Date: 9/11/2015

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<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 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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E-Mail: rino.ferrarese@ctpharma.com**Date Received:** 9/04/2015**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>Product Description:</u>	<u>TWK (TRAIN WRECK) KIEF 050115</u>

<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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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
Etiozazole	<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
<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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