

**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

Portland CT 06480

Date Received: 1/05/2016

Date Tested: 1/12/2016

1st Emailed: 1/12/2016 by R.Picard

Laboratory Report#: N1664766 – 31

Report Date: 1/14/2016

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	1/05/2016 10:35
Collected by:	CA of NELabs
Laboratory ID #:	1664766 – 31
Product Description:	STK 081815 / 090215 KIEF KIEF
Note, per Kim Provera's 1-13-2016 email instructions, the above sample was: - derived from CPS's Sample: STK 090215 (STK-C) a) as reported in NELabs' 12-16-2015 Full Range Report #N1564541-11 b) with the Potency/Cannabinoids results reported (on page 6 therein) per NELabs' #N1564600-08 for STK-C which was received 12/15/2015 and tested 12/15/2016 c) Results below per sample #STK081815 / 090215 KIEF #N1664766 – 31, as received 1/05/2016 / tested 1/12/2016	

<u>CANNABINOIDS (% weight)</u>	<u>1/12/2016</u>	
	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	0.15	% weight
CBGA	1.06	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	3.40	% weight
CBC	----	% weight
THCA	45.66	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 1/05/2016

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:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Mark June-Wells,
Ph.D., Kim Provera, Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: 10/07/2015 ★

Date Tested: 10/07/2015

Laboratory Report#: N1563967 ★

Report Date: 10/15/2015 ★

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npoltrack@gmail.com

★FULL RANGE =UPDATE: 1/26/2016 ★
= MERGED RESULTS with Rpt# N1564567-12
(= 12/10/15 Terpenes & Potency
...see pages #3 & #6 below)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	10/07/2015 11:10
Collected by:	CA of NELabs
Laboratory ID #:	1563967 - 01
Product Description:	STAR KILLER #062915 ★ = Merged with Rpt# N1564567 – 12 = STK090215 * <i>* per K.Provera's 1/21/2016 email, this flower is a blend of STK090215 and STK081815 because they were harvested at the same time.</i>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	4,200	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:

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47 Lower Main St
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Date Received: 10/07/2015

Date Tested: 10/13 – 15/2015

Laboratory Report#: N1563967 ★

Report Date: 10/15/2015 ★

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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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★ = Sample #STK090215 was received on 12/10/2015, tested on 12/10/2015, and reported via email by Ryan Picard on 12/11/2015 == see results below...

TERPENE PROFILE (% Dry Weight)	Result	Units
<u>Monoterpenoids</u>		
a-pinene	0.0783	%
b-pinene	0.0982	%
b-myrcene	0.5631	%
limonene	0.5926	%
ocimene	---	%
terpinolene	0.0579	%
linalool	0.0689	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.2963	%
humulene	0.0914	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	---	%

METHODS: GC, GC/MS

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/10/2016

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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
<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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