

**Report To:**

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

Date Received: 4/19/2016
 Date Tested: 4/20/2016
 Date 1st Emailed by C.Appell: 4/21/2016
 Laboratory Report#: N1665795 - 09

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COA Report Date: 4/29/2016 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS	47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/19/2016 11:15	Collected By: CA of NELabs
Laboratory ID #:	1665795 - 09	
Product Description:	EG 0033 ★	

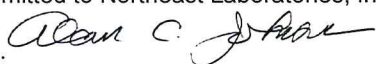
★ = Note: Per Mark June-Well's 4/21/2016 email, product #EG 0033's pedigree is (e.g. was made from):

- ★ **EG 0033 = NELabs' Report #N1665795-09** = sample was received for Cannabinoids, Terpenes, Density and Residual Solvents analysis on 4/19/2016; with Cannabinoids tested on 4/20/2016, Terpenes and Residual Solvents tested on 4/22/2016;
- with Cannabinoids results 1st emailed by C.Appell on 4/21/2016
 - see Cannabinoids results below
 - and Terpenes results on page 2 herein
 - and Density & Residual Solvents results on page 3 herein
- **C0059 = NELabs' Report #N1665271-08** = sample was received for Cannabinoids, Terpenes, and Residual Solvents analysis on 2/26/2016; with Cannabinoids tested on 2/26/2016; Terpenes and Residual Solvents tested on 2/29/2016
- with the Cannabinoids, Terpenes, Density and Residual Solvents results 1st emailed by C.Appell on 2/29/2016
- **STK (Star killer) #100715 Flower = NELabs' Report #N1554766-34** = sample was received for Full Range analysis on 1/05/2016 (#N1554766-34)
- with a 2nd Cannabinoids Sample #N166419-04, as received 1/12/2016, tested on 1/12/2016;
 - and Terpenes (#N1554766-34) tested 1/11/2016
- the Full Range report #N1554766-34 (with #N166419-04 Cannabinoids results) was released 1/13/2016

CANNABINOIDS	★ = Sample #EG 0033	
(% weight)	Result	Units
CBDV	----	% weight
CBDA	0.12	% weight
CBGA	0.24	% weight
CBG	0.11	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	6.47	% weight
CBC	0.08	% weight
THCA	8.66	% weight

METHODS: HPLC

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 4/19/2016

Approved By:  Alan C. Johnson, Laboratory Director

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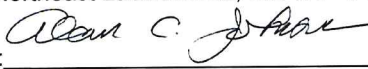
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 - and Terpenes (#N1554766-34) tested 1/11/2016
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TERPENE PROFILE (% Dry Weight)	★EG0033 Results	Units
Monoterpenoids	---	---
a-pinene	---	%
b-pinene	---	%
b-myrcene	---	%
limonene	---	%
ocimene	---	%
terpinolene	---	%
linalool	0.03	%
Sesquiterpenoids		
b-caryophyllene	0.10	%
humulene	0.03	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	---	%

METHODS: GC, GC/MS

Comments:

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★ = Sample #EG0033

	Result	Units	Method
DENSITY	0.9886	g/cm ³ @ 20°C	Gravimetric

RESIDUAL SOLVENTS (ETOH)		★EG 0033	
Parameter:	Result	Units	Method
Ethanol / Residual Alcohol	4.70	%	Headspace GC

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Pg. 6 = 1/12/2016

Date Tested: 1/05/2016

Laboratory Report#: N1664766 – 34 (pg 1-5)

N1664819 – 04 (pg 6)

Report Date: 1/13/2016

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mjnewells@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 – 34
Product Description:	STK (STAR KILLER) #100715 FLOWER

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	<100	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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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	<0.005	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)

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N1664819 – 04 (pg 6)

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

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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
<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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