

**Report To:**

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

Date Received: 4/19/2016  
 Date Tested: 4/20/2016  
 Date 1<sup>st</sup> Emailed by C.Appell: 4/21/2016  
 Laboratory Report#: N1665795 - 08

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[kim.provera@ctpharma.com](mailto:kim.provera@ctpharma.com)  
[npoltrack@gmail.com](mailto:npoltrack@gmail.com)

COA Report Date: 4/29/2016 ★

|                             |                                      |                                   |
|-----------------------------|--------------------------------------|-----------------------------------|
| <b>Sample Site:</b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS | 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>      | 4/19/2016 11:15                      | Collected By: CA of NELabs        |
| <b>Laboratory ID #:</b>     | 1665795 - 08                         |                                   |
| <b>Product Description:</b> | EG 0032 ★                            |                                   |

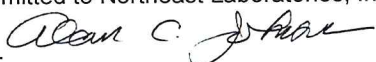
★ = Note: Per Mark June-Well's 4/21/2016 email, product #EG 0032's pedigree is (e.g. was made from):

- ★ EG 0032 = NELabs' Report #N1665795-08 = 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 1<sup>st</sup> 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 1<sup>st</sup> 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 2<sup>nd</sup> 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 #N1665419-04 Cannabinoids results) was released 1/13/2016

| CANNABINOIDS | ★ = Sample #EG 0032 |          |
|--------------|---------------------|----------|
| (% weight)   | Result              | Units    |
| CBDV         | ----                | % weight |
| CBDA         | 0.11                | % weight |
| CBGA         | 0.24                | % weight |
| CBG          | 0.12                | % weight |
| CBD          | ----                | % weight |
| THCV         | ----                | % weight |
| CBN          | ----                | % weight |
| THC          | 6.49                | % weight |
| CBC          | ----                | % weight |
| THCA         | 8.69                | % 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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| <b>TERPENE PROFILE</b>  | <b>★EG0032</b> |       |
|-------------------------|----------------|-------|
| (% Dry Weight)          | Results        | Units |
| <b>Monoterpenoids</b>   | ---            |       |
| a-pinene                | ---            | %     |
| b-pinene                | ---            | %     |
| b-myrcene               | ---            | %     |
| limonene                | 0.26           | %     |
| ocimene                 | ---            | %     |
| terpinolene             | ---            | %     |
| linalool                | 0.03           | %     |
| <b>Sesquiterpenoids</b> |                |       |
| b-caryophyllene         | 0.10           | %     |
| humulene                | 0.03           | %     |
| trans-nerolidol         | ---            | %     |
| caryophyllene oxide     | ---            | %     |
| b-eudesmol              | ---            | %     |

**METHODS:** GC, GC/MS

**Comments:**

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**★ = Sample #EG0032**

|                | <u>Result</u> | <u>Units</u>             | <u>Method</u> |
|----------------|---------------|--------------------------|---------------|
| <u>DENSITY</u> | 1.0190        | g/cm <sup>3</sup> @ 20°C | Gravimetric   |

| <u>RESIDUAL SOLVENTS (ETOH)</u> |               | <u>★EG 0032</u> |               |
|---------------------------------|---------------|-----------------|---------------|
| <u>Parameter:</u>               | <u>Result</u> | <u>Units</u>    | <u>Method</u> |
| Ethanol / Residual Alcohol      | 5.40          | %               | Headspace GC  |

**Comments:**

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Approved By: Alan C. Johnson Alan C. Johnson, Laboratory Director

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47 Lower Main St

Portland CT 06480

Date Received: Pg. 1-5 = 1/05/2016

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

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

|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| <b>Sample Site:</b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>      | 1/05/2016 10:35                                                             |
| <b>Collected by:</b>        | CA of NELabs                                                                |
| <b>Laboratory ID #:</b>     | 1664766 – 34                                                                |
| <b>Product Description:</b> | <b>STK (STAR KILLER) #100715 FLOWER</b>                                     |

| <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:**

- 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](http://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

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| <b>Product Description:</b> | <b>STK (STAR KILLER) #100715 FLOWER</b>                                            |

**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)**Comments:**

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N1664819 – 04 (pg 6)

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

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| <b>Product Description:</b> | <b>STK (STAR KILLER) #100715 FLOWER</b>                                            |

| <b>PESTICIDES LC (MS/MS)</b> |               |              |      |               |
|------------------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>             | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| 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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| <b>Product Description:</b> | <b>STK (STAR KILLER) #100715 FLOWER</b>                                            |

| <b>MYCOTOXINS</b>               |               |              |               |
|---------------------------------|---------------|--------------|---------------|
| <b>Parameter</b>                | <b>Result</b> | <b>Units</b> | <b>Limits</b> |
| <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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