

**Report To:**

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

Date Received: **1/05/2016**Date Tested: **1/05/2016**  
Laboratory Report#: **NCPS060216-04**Report Date: **6/02/2016**

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|                                    |                                                                             |                            |  |
|------------------------------------|-----------------------------------------------------------------------------|----------------------------|--|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |                            |  |
| <b><u>Date Collected:</u></b>      | 1/05/2016 10:35                                                             | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1664766-35</u>                                                           |                            |  |
| <b><u>Product Description:</u></b> | EG 0039                                                                     |                            |  |

| <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)

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

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Date Received: 1/05/2016

Date Tested: 1/11/2016 to 1/12/2016

Laboratory Report#: NCPS060216-04

Report Date: 6/02/2016

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| <u>Date Collected:</u>      | 1/05/2016 10:35                                                             | Collected by: CA of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1664766-35</u>                                                           |                            |  |
| <u>Product Description:</u> | EG 0039                                                                     |                            |  |

| <b>HEAVY METALS:</b> |               |              |      |               |
|----------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>     | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| 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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**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

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Date Received: 5/17/2016

Date Tested: 5/20/2016

Laboratory Report#: **NCPS060216-04**

Report Date: 6/02/2016

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|                                    |                                                                             |                            |  |
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| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |                            |  |
| <b><u>Date Collected:</u></b>      | 5/17/2016 11:50                                                             | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1666041-03</u>                                                           |                            |  |
| <b><u>Product Description:</u></b> | EG 0039                                                                     |                            |  |

| <u>TERPENE PROFILE</u><br>(% Dry Weight) | <u>Result</u> | <u>Units</u> |
|------------------------------------------|---------------|--------------|
| <b><u>Monoterpenoids</u></b>             |               |              |
| a-pinene                                 | ---           | %            |
| b-pinene                                 | ---           | %            |
| b-myrcene                                | ---           | %            |
| limonene                                 | ---           | %            |
| ocimene                                  | ---           | %            |
| terpinolene                              | ---           | %            |
| linalool                                 | ---           | %            |
| <b><u>Sesquiterpenoids</u></b>           |               |              |
| b-caryophyllene                          | ---           | %            |
| humulene                                 | ---           | %            |
| trans-nerolidol                          | ---           | %            |
| caryophyllene oxide                      | ---           | %            |
| b-eudesmol                               | ---           | %            |

|                  | <u>Result</u> | <u>Units</u>      |
|------------------|---------------|-------------------|
| Density          | 1.1210        | g/cm <sup>3</sup> |
| Residual Alcohol | 0.08          | %                 |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 5/17/2016

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|                             |                                             |                            |  |
|-----------------------------|---------------------------------------------|----------------------------|--|
| <b>Sample Site:</b>         | <b>CONNECTICUT PHARMACEUTICAL SOLUTIONS</b> |                            |  |
|                             | • 47 LOWER MAIN STREET, PORTLAND CT         |                            |  |
| <b>Date Collected:</b>      | 1/05/2016 10:35                             | Collected by: CA of NELabs |  |
| <b>Laboratory ID #:</b>     | 1664766-35                                  |                            |  |
| <b>Product Description:</b> | EG 0039                                     |                            |  |

| 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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| <u>Date Collected:</u>      | 1/05/2016 10:35                                                             | Collected by: CA of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1664766-35</u>                                                           |                            |  |
| <u>Product Description:</u> | <u>EG 0039</u>                                                              |                            |  |

| <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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Date Received: **5/25/2016**Date Tested: **5/26/2016**Laboratory Report#: **NCPS060216-04**Report Date: **6/02/2016**

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|------------------------------------|-----------------------------------------------------------------------------|----------------------------|--|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |                            |  |
| <b><u>Date Collected:</u></b>      | 5/17/2016 11:50                                                             | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1666140-06</u>                                                           |                            |  |
| <b><u>Product Description:</u></b> | EG 0039                                                                     |                            |  |

| <u>CANNABINOIDS (% weight)</u> |      | <u>Result</u> | <u>Units</u> |
|--------------------------------|------|---------------|--------------|
|                                | CBDV | ----          | % weight     |
|                                | CBDA | ----          | % weight     |
|                                | CBGA | 0.42          | % weight     |
|                                | CBG  | 0.48          | % weight     |
|                                | CBD  | ----          | % weight     |
|                                | THCV | ----          | % weight     |
|                                | CBN  | 0.15          | % weight     |
|                                | THC  | 14.52         | % weight     |
|                                | CBC  | 0.20          | % weight     |
|                                | THCA | 1.00          | % weight     |

**METHODS:** HPLC**Comments:**

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