

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese, Ryan Picard& Kim Provera & Nancy Poltrack

47 Lower Main St

Portland CT 06480

Date Received: **07/10/2018**Date Tested: **07/12/2018**Laboratory Report#: **NCPS72018-05**Report Date: **07/20/2018**E-Mail: [rino.ferrarese@ctpharma.com](mailto:rino.ferrarese@ctpharma.com)[ryan.picard@ctpharma.com](mailto:ryan.picard@ctpharma.com)[kim.provo@ctpharma.com](mailto:kim.provo@ctpharma.com)[npoltrack@ctpharma.com](mailto:npoltrack@ctpharma.com)

|                                    |                                                                             |                            |  |
|------------------------------------|-----------------------------------------------------------------------------|----------------------------|--|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |                            |  |
| <b><u>Date Collected:</u></b>      | 07/10/2018 11:15                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1874398 – 05</u>                                                         |                            |  |
| <b><u>Product Description:</u></b> | L 0017                                                                      |                            |  |

| <u>Parameter</u>                     | <u>Result</u> | <u>Units</u> |      | <u>Recommended Limits *</u> |
|--------------------------------------|---------------|--------------|------|-----------------------------|
| Total Aerobic Microbial Count        | <100,000      | per gram     | PASS | 100,000                     |
| Total Yeast & Mold Count             | <10,000       | per gram     | PASS | 10,000                      |
| Bile Tolerant Gram Negative Bacteria | <1,000        | per gram     | PASS | 1,000                       |
| Coliform                             | <1,000        | 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:** AltaSci E.coli (pathogenic strains) Salmonella spp. YMC, Coliforms, PAC, Gram NegativesComments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018
- All Microbiology tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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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| <b><u>Laboratory ID #:</u></b>     | <u>1874398 – 05</u>                                                         |                            |  |
| <b><u>Product Description:</u></b> | L 0017                                                                      |                            |  |

| <b>HEAVY METALS:</b> |               |              |               |
|----------------------|---------------|--------------|---------------|
| <b>Parameter</b>     | <b>Result</b> | <b>Units</b> | <b>Limits</b> |
| Arsenic, Total       | PASS          | µg/kg BW/day | <4.206        |
| Cadmium, Total       | PASS          | µg/kg BW/day | <2.704        |
| Lead, Total          | PASS          | µg/kg BW/day | <8.712        |
| Mercury, Total       | PASS          | µg/kg BW/day | <8.712        |

**Daily Dose:** 1 gram**Body Weight:** 50 kilograms**METHODS:** AltaSci Heavy Metals**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018
- Heavy Metals tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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|                             | • 47 LOWER MAIN STREET, PORTLAND CT  |                            |  |
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| <u>Laboratory ID #:</u>     | <u>1874398 – 05</u>                  |                            |  |
| <b>Product Description:</b> | L 0017                               |                            |  |

| <b>EXPANDED TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|---------------------------------------------------|---------------|--------------|
| a-pinene                                          | ---           | %            |
| camphene                                          | ---           | %            |
| sabinene                                          | ---           | %            |
| b-pinene                                          | ---           | %            |
| b-myrcene                                         | ---           | %            |
| a-phellandrene                                    | ---           | %            |
| 3-carene                                          | ---           | %            |
| a-terpinene                                       | ---           | %            |
| limonene                                          | ---           | %            |
| eucalyptol                                        | ---           | %            |
| ocimene                                           | ---           | %            |
| b-terpinene                                       | ---           | %            |
| terpineol                                         | ---           | %            |
| terpinolene                                       | ---           | %            |
| linalool                                          | ---           | %            |
| (+)-fenchone                                      | ---           | %            |
| L(-)-fenchone                                     | ---           | %            |
| fenchol                                           | ---           | %            |
| (-)-isopulegol                                    | ---           | %            |
| camphor                                           | ---           | %            |
| isoborneol                                        | ---           | %            |
| (-)-borneol                                       | ---           | %            |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018

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| <b>Product Description:</b> | L 0017                                                                      |                            |  |

| <b>EXPANDED TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|---------------------------------------------------|---------------|--------------|
| menthol                                           | ---           | %            |
| geraniol                                          | ---           | %            |
| nerol                                             | ---           | %            |
| (+)-pulegol                                       | ---           | %            |
| trans-b-farnesene                                 | ---           | %            |
| geranyl acetate                                   | ---           | %            |
| a-cedrene                                         | ---           | %            |
| b-caryophyllene                                   | ---           | %            |
| b-farnesene                                       | ---           | %            |
| humulene                                          | ---           | %            |
| a-farnesene                                       | ---           | %            |
| valencene                                         | ---           | %            |
| cis-nerolidol                                     | ---           | %            |
| trans-nerolidol                                   | ---           | %            |
| guaial                                            | ---           | %            |
| caryophyllene oxide                               | ---           | %            |
| cedrol                                            | ---           | %            |
| b-eudesmol                                        | ---           | %            |
| a-bisabolol                                       | ---           | %            |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018

  
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| <b><u>Laboratory ID #:</u></b>     | <u>1874398 – 05</u>                                                         |                            |  |
| <b><u>Product Description:</u></b> | L 0017                                                                      |                            |  |

| <u>PESTICIDES</u> |               |
|-------------------|---------------|
| <u>Parameter</u>  | <u>Result</u> |
| Pesticides        | PASS          |

**METHODS:** AltaSci Pesticides**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018
- Pesticides tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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| <b><u>Date Collected:</u></b>      | 07/10/2018 11:15                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1874398 – 05</u>                                                         |                            |  |
| <b><u>Product Description:</u></b> | L 0017                                                                      |                            |  |

| <u>MYCOTOXINS</u> |               |              |               |
|-------------------|---------------|--------------|---------------|
| <u>Parameter</u>  | <u>Result</u> | <u>Units</u> | <u>Limits</u> |
| Aflatoxin B1      | PASS          | µg/kg        | 20            |
| Aflatoxin B2      | PASS          | µg/kg        | 20            |
| Aflatoxin G1      | PASS          | µg/kg        | 20            |
| Aflatoxin G2      | PASS          | µg/kg        | 20            |
| Ochratoxin-A      | PASS          | µg/kg        | 20            |

**METHODS:** AltaSci Mycotoxins**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/10/2018
- Mycotoxins tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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| <b><u>Date Collected:</u></b>      | 07/12/2018 10:30                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1874448 – 07</u>                                                         |                            |  |
| <b><u>Product Description:</u></b> | L 0017                                                                      |                            |  |

| <u>CANNABINOIDS (% weight)</u> | <u>Result</u> | <u>Units</u> |
|--------------------------------|---------------|--------------|
| CBDV                           | ----          | % weight     |
| CBDA                           | ----          | % weight     |
| CBGA                           | ----          | % weight     |
| CBG                            | ----          | % weight     |
| CBD                            | 0.33          | % weight     |
| THCV                           | ----          | % weight     |
| CBN                            | ----          | % weight     |
| d9-THC                         | ----          | % weight     |
| d8-THC                         | ----          | % weight     |
| CBL                            | ----          | % weight     |
| CBC                            | ----          | % weight     |
| THCA                           | ----          | % weight     |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/12/2018

  
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