

**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

Portland CT 06480

Date Received: **04/13/2018**Date Tested: **04/13 & 04/16 2018**Laboratory Report#: **NCPS0509518-01**Report Date: **05/09/2018**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>      | 04/13/2018 10:45                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1873586-06</u>                                                           |                            |  |
| <b><u>Product Description:</u></b> | DC 0006                                                                     |                            |  |

| <b>Parameter</b>                     | <b>Result</b> | <b>Units</b> | <b>Recommended Limits *</b> |              |
|--------------------------------------|---------------|--------------|-----------------------------|--------------|
| 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, AltaSci E.coli (pathogenic strains) Salmonella spp.**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/13/2018
- \* Enteropathic E.coli and Salmonella Species tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

Approved By:

Alan C. Johnson, Laboratory Director

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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>Date Collected:</u></b>      | 04/13/2018 10:45                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <u>1873586-06</u>                                                           |                            |  |
| <b><u>Product Description:</u></b> | DC 0006                                                                     |                            |  |

| <b><u>HEAVY METALS:</u></b> |                      |                     |                      |
|-----------------------------|----------------------|---------------------|----------------------|
| <b><u>Parameter</u></b>     | <b><u>Result</u></b> | <b><u>Units</u></b> | <b><u>Limits</u></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: 04/13/2018
- Heavy Metals tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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Date Received: **04/30/2018**Date Tested: **05/01/2018**Laboratory Report#: **NCPS0509518-01**Report Date: **05/09/2018**

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| <b><u>Date Collected:</u></b>  | 04/30/2018 11:00                                                            | Collected by: CA of NELabs |  |
| <b><u>Laboratory ID #:</u></b> | <u>1873724-01</u>                                                           |                            |  |
| <b>Product Description:</b>    | DC 0006                                                                     |                            |  |

| <b>EXPANDED TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|---------------------------------------------------|---------------|--------------|
| a-pinene                                          | ---           | %            |
| camphene                                          | ---           | %            |
| sabinene                                          | ---           | %            |
| b-pinene                                          | ---           | %            |
| b-myrcene                                         | 2.13          | %            |
| a-phellandrene                                    | ---           | %            |
| 3-carene                                          | ---           | %            |
| a-terpinene                                       | ---           | %            |
| limonene                                          | 1.46          | %            |
| eucalyptol                                        | ---           | %            |
| ocimene                                           | ---           | %            |
| b-terpinene                                       | ---           | %            |
| terpineol                                         | ---           | %            |
| terpinolene                                       | ---           | %            |
| linalool                                          | 4.45          | %            |
| (+)-fenchone                                      | ---           | %            |
| L(-)-fenchone                                     | ---           | %            |
| fenchol                                           | 0.01          | %            |
| (-)-isopulegol                                    | ---           | %            |
| camphor                                           | ---           | %            |
| isoborneol                                        | ---           | %            |
| (-)-borneol                                       | ---           | %            |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/30/2018

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| <b><u>Laboratory ID #:</u></b> | <u>1873724-01</u>                                                           |                            |  |
| <b>Product Description:</b>    | DC 0006                                                                     |                            |  |

| <b><u>EXPANDED TERPENES</u></b><br><b><u>(% Dry Weight)</u></b> | <b><u>Result</u></b> | <b><u>Units</u></b> |
|-----------------------------------------------------------------|----------------------|---------------------|
| menthol                                                         | ---                  | %                   |
| geraniol                                                        | ---                  | %                   |
| nerol                                                           | ---                  | %                   |
| (+)-pulegol                                                     | ---                  | %                   |
| trans-b-farnesene                                               | ---                  | %                   |
| geranyl acetate                                                 | ---                  | %                   |
| a-cedrene                                                       | ---                  | %                   |
| b-caryophyllene                                                 | 6.80                 | %                   |
| b-farnesene                                                     | ---                  | %                   |
| humulene                                                        | 2.67                 | %                   |
| a-farnesene                                                     | ---                  | %                   |
| valencene                                                       | ---                  | %                   |
| cis-nerolidol                                                   | ---                  | %                   |
| trans-nerolidol                                                 | ---                  | %                   |
| guaiaol                                                         | ---                  | %                   |
| caryophyllene oxide                                             | ---                  | %                   |
| cedrol                                                          | ---                  | %                   |
| b-eudesmol                                                      | ---                  | %                   |
| a-bisabolol                                                     | ---                  | %                   |

|                  |        |                   |
|------------------|--------|-------------------|
| Density          | 1.0098 | g/cm <sup>3</sup> |
| Residual Alcohol | 1.12   | %                 |

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

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| <b><u>Product Description:</u></b> | DC 0006                                                                     |                            |  |

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

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/13/2018
- Pesticides tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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| <b>Date Collected:</b>      | 04/13/2018 10:45                                                            | Collected by: CA of NELabs |  |
| <b>Laboratory ID #:</b>     | <u>1873586-06</u>                                                           |                            |  |
| <b>Product Description:</b> | DC 0006                                                                     |                            |  |

| <b>MYCOTOXINS</b> |               |              |               |
|-------------------|---------------|--------------|---------------|
| <b>Parameter</b>  | <b>Result</b> | <b>Units</b> | <b>Limits</b> |
| 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: 04/13/2018
- Mycotoxins tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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| <b>Laboratory ID #:</b>     | <u>1873724-01</u>                                                           |                            |  |
| <b>Product Description:</b> | DC 0006                                                                     |                            |  |

| <u>CANNABINOIDS (% weight)</u> | <u>Result</u> | <u>Units</u> |
|--------------------------------|---------------|--------------|
| CBDV                           | ----          | % weight     |
| CBDA                           | ----          | % weight     |
| CBGA                           | 1.05          | % weight     |
| CBG                            | 1.25          | % weight     |
| CBD                            | ----          | % weight     |
| THCV                           | ----          | % weight     |
| CBN                            | ---           | % weight     |
| d9-THC                         | 46.35         | % weight     |
| d8-THC                         | ----          | % weight     |
| CBL                            | ----          | % weight     |
| CBC                            | 0.41          | % weight     |
| THCA                           | 14.63         | % weight     |

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

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