

**Report To:**

Curaleaf LLC

**Attn: David Haley**

100 Grist Mill

Simsbury, CT 06070

Date Received: 02/09/2018

Date Tested: 02/09 &amp; 02/13 2018

Laboratory Report#: N1872989-01

E-Mail: [david@curaleaf.com](mailto:david@curaleaf.com)

Report Date: 02/16/2018

|                                    |                                              |       |                                   |
|------------------------------------|----------------------------------------------|-------|-----------------------------------|
| <b><u>Sample Site:</u></b>         | CURALEAF<br>• 100 GRIST MILL RD, SIMSBURY CT |       |                                   |
| <b><u>Date Collected:</u></b>      | 02/09/2018                                   | 10:15 | Collected by: C. Appell of NELabs |
| <b><u>Laboratory ID #:</u></b>     | <u>1872989-01</u>                            |       |                                   |
| <b><u>Product Description:</u></b> | 1801015F-HH                                  |       |                                   |

| <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             | 300           | 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 a sample submitted to Northeast Laboratories, Inc. on: 02/09/2018
- \* 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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Date Tested: 02/15 – 02/16 2018

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Report Date: 02/16/2018

|                                    |                                                     |                                          |  |
|------------------------------------|-----------------------------------------------------|------------------------------------------|--|
| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                          |  |
| <b><u>Date Collected:</u></b>      | <b>02/09/2018 10:15</b>                             | <b>Collected by: C. Appell of NELabs</b> |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1872989-01</u></b>                            |                                          |  |
| <b><u>Product Description:</u></b> | <b>1801015F-HH</b>                                  |                                          |  |

**HEAVY METALS:**

| <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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| <b>Product Description:</b> | <b>1801015F-HH</b>                                  |

| <b>TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|------------------------------------------|---------------|--------------|
| a-pinene                                 | 0.17          | %            |
| b-pinene                                 | 0.06          | %            |
| b-myrcene                                | 1.30          | %            |
| limonene                                 | 0.29          | %            |
| ocimene                                  | ---           | %            |
| linalool                                 | ---           | %            |
| b-caryophyllene                          | 0.31          | %            |
| humulene                                 | 0.13          | %            |

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

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| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                          |  |
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| <b><u>Laboratory ID #:</u></b>     | <b><u>1872989-01</u></b>                            |                                          |  |
| <b><u>Product Description:</u></b> | <b>1801015F-HH</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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|                             |                                                                                           |       |                                   |
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| <u>Product Description:</u> | 1801015F-HH                                                                               |       |                                   |

| <b>MYCOTOXINS</b>               |               |              |      |               |
|---------------------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>                | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| <i>Method: USP 561-II</i>       |               |              |      |               |
| 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             |
| <i>Method: USP 561-II (Mod)</i> |               |              |      |               |
| 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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| <u>CANNABINOIDS (% weight)</u> | <u>Result</u> | <u>Units</u> |
|--------------------------------|---------------|--------------|
| CBDV                           | ----          | % weight     |
| CBDA                           | 15.72         | % weight     |
| CBGA                           | 1.34          | % weight     |
| CBG                            | ----          | % weight     |
| CBD                            | ----          | % weight     |
| THCV                           | ----          | % weight     |
| CBN                            | ----          | % weight     |
| THC                            | 0.13          | % weight     |
| CBC                            | ----          | % weight     |
| THCA                           | 9.20          | % weight     |

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

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