

**Report To:**

Curaleaf LLC

**Attn: David Haley**

100 Grist Mill

Simsbury, CT 06070

Date Received: 11/09/2017

Date Tested: 11/10/2017

Laboratory Report#: **N1772154-01**E-Mail: [david@curaleaf.com](mailto:david@curaleaf.com)

Report Date: 11/16/2017

|                                    |                                                     |                                   |  |
|------------------------------------|-----------------------------------------------------|-----------------------------------|--|
| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                   |  |
| <b><u>Date Collected:</u></b>      | 11/09/2017 10:00                                    | Collected by: C. Appell of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1772154 – 01</u></b>                          |                                   |  |
| <b><u>Product Description:</u></b> | <b>1711121F – MS</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: 11/09/2017

Approved By:

Alan C. Johnson, Laboratory Director



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100 Grist Mill  
Simsbury, CT 06070

Date Received: 11/09/2017  
Date Tested: 11/15 – 11/16 2017  
Laboratory Report#: **N1772154-01**

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

Report Date: 11/16/2017

|                                    |                                                                                           |       |                                   |
|------------------------------------|-------------------------------------------------------------------------------------------|-------|-----------------------------------|
| <b><u>Sample Site:</u></b>         | CURALEAF <ul style="list-style-type: none"><li>• 100 GRIST MILL RD, SIMSBURY CT</li></ul> |       |                                   |
| <b><u>Date Collected:</u></b>      | 11/09/2017                                                                                | 10:00 | Collected by: C. Appell of NELabs |
| <b><u>Laboratory ID #:</u></b>     | <u>1772154 – 01</u>                                                                       |       |                                   |
| <b><u>Product Description:</u></b> | 1711121F – MS                                                                             |       |                                   |

| <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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Alan C. Johnson, Laboratory Director

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Date Received: 11/09/2017

Date Tested: 11/14/2017

Laboratory Report#: **N1772154-01**E-Mail: [david@curaleaf.com](mailto:david@curaleaf.com)

Report Date: 11/16/2017

|                                    |                                                     |                                   |  |
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| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                   |  |
| <b><u>Date Collected:</u></b>      | 11/09/2017 10:00                                    | Collected by: C. Appell of NELabs |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1772154 – 01</u></b>                          |                                   |  |
| <b><u>Product Description:</u></b> | <b>1711121F – MS</b>                                |                                   |  |

| <b>TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|------------------------------------------|---------------|--------------|
| a-pinene                                 | 0.49          | %            |
| b-pirene                                 | ---           | %            |
| b-myrcene                                | 1.27          | %            |
| limonene                                 | ---           | %            |
| ocimene                                  | ---           | %            |
| linalool                                 | 0.28          | %            |
| b-caryophyllene                          | 0.48          | %            |
| humulene                                 | ---           | %            |

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

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Date Received: **11/09/2017**  
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Report Date: **11/16/2017**

|                                    |                                                     |                                          |  |
|------------------------------------|-----------------------------------------------------|------------------------------------------|--|
| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                          |  |
| <b><u>Date Collected:</u></b>      | <b>11/09/2017 10:00</b>                             | <b>Collected by: C. Appell of NELabs</b> |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1772154 – 01</u></b>                          |                                          |  |
| <b><u>Product Description:</u></b> | <b>1711121F – MS</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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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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| <b><u>Product Description:</u></b> | <b>1711121F – MS</b>                                |                                   |  |

| <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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| <b><u>Product Description:</u></b> | 1711121F – MS                                |                                   |  |

| <u>CANNABINOIDS (% weight)</u> | <u>Result</u> | <u>Units</u> |
|--------------------------------|---------------|--------------|
| CBDV                           | ----          | % weight     |
| CBDA                           | ----          | % weight     |
| CBGA                           | 1.09          | % weight     |
| CBG                            | ----          | % weight     |
| CBD                            | ----          | % weight     |
| THCV                           | ----          | % weight     |
| CBN                            | ----          | % weight     |
| THC                            | 0.47          | % weight     |
| CBC                            | ----          | % weight     |
| THCA                           | 27.39         | % weight     |

**METHODS:** HPLC

Comments:

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