

**Report To:**

Curaleaf LLC

**Attn: Greg Schaan**

100 Grist Mill Rd.

Simsbury, CT 06070

Date Received: **01/28/2019**Date Tested: **01/29/2019**Laboratory Report#: **N1976406-06**E-Mail: [greg@curaleaf.com](mailto:greg@curaleaf.com)Report Date: **02/05/2019**

|                                    |                                                     |                                          |  |
|------------------------------------|-----------------------------------------------------|------------------------------------------|--|
| <b><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                          |  |
| <b><u>Date Collected:</u></b>      | <b>01/28/2019 14:30</b>                             | <b>Collected by: C. Appell of NELabs</b> |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1976406-06</u></b>                            |                                          |  |
| <b><u>Product Description:</u></b> | <b>190128S – MS</b>                                 |                                          |  |

| <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, FDA-BAM, AOAC 996.09**Comments:**

- Results are based on a sample submitted to Northeast Laboratories, Inc. on: 01/28/2019

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Curaleaf LLC

**Attn: Greg Schaen**

100 Grist Mill Rd.

Simsbury, CT 06070

Date Received: 01/28/2019

Date Tested: 01/31 – 02/05 2019

Laboratory Report#: N1976406-06

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

Report Date: 02/05/2019

|                                |                                                                                           |       |                                   |
|--------------------------------|-------------------------------------------------------------------------------------------|-------|-----------------------------------|
| <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>  | 01/28/2019                                                                                | 14:30 | Collected by: C. Appell of NELabs |
| <b><u>Laboratory ID #:</u></b> | <u>1976406-06</u>                                                                         |       |                                   |
| <b>Product Description:</b>    | <b>190128S – MS</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><u>Sample Site:</u></b>         | <b>CURALEAF</b><br>• 100 GRIST MILL RD, SIMSBURY CT |                                          |  |
| <b><u>Date Collected:</u></b>      | <b>01/28/2019 14:30</b>                             | <b>Collected by: C. Appell of NELabs</b> |  |
| <b><u>Laboratory ID #:</u></b>     | <b><u>1976406-06</u></b>                            |                                          |  |
| <b><u>Product Description:</u></b> | <b>190128S – MS</b>                                 |                                          |  |

| <b>TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|------------------------------------------|---------------|--------------|
| a-pinene                                 | 0.07          | %            |
| b-pirene                                 | ---           | %            |
| b-myrcene                                | ---           | %            |
| limonene                                 | ---           | %            |
| ocimene                                  | ---           | %            |
| linalool                                 | 0.12          | %            |
| b-caryophyllene                          | 0.21          | %            |
| humulene                                 | 0.10          | %            |

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

- Results are based on a sample submitted to Northeast Laboratories, Inc. on: 01/28/2019

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Date Received: **01/28/2019**Date Tested: **02/03 – 02/05 2019**Laboratory Report#: **N1976406-06**E-Mail: [greg@curaleaf.com](mailto:greg@curaleaf.com)Report Date: **02/05/2019**

|                             |                                  |       |                                   |
|-----------------------------|----------------------------------|-------|-----------------------------------|
| <u>Sample Site:</u>         | CURALEAF                         |       |                                   |
|                             | • 100 GRIST MILL RD, SIMSBURY CT |       |                                   |
| <u>Date Collected:</u>      | 01/28/2019                       | 14:30 | Collected by: C. Appell of NELabs |
| <u>Laboratory ID #:</u>     | 1976406-06                       |       |                                   |
| <u>Product Description:</u> | 190128S – MS                     |       |                                   |

| <b>PESTICIDES LC (MS/MS)</b> |               |              |      |               |
|------------------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>             | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| Abamectin                    | <0.1          | mg/kg        | PASS | 15            |
| Acequinocyl                  | <0.1          | mg/kg        | PASS | 14            |
| Azadiractin                  | <0.1          | mg/kg        | PASS | 60            |
| Bifenazate                   | <0.1          | mg/kg        | PASS | 6             |
| Bifenthrin                   | <0.1          | mg/kg        | PASS | 12            |
| Chlormequat Chloride         | <0.1          | mg/kg        | PASS | 30            |
| Cyfluthrin                   | <0.1          | mg/kg        | PASS | 12            |
| Daminozide                   | <0.1          | mg/kg        | PASS | 270           |
| Etoxazole                    | <0.1          | mg/kg        | PASS | 24            |
| Fenoxycarb                   | <0.1          | mg/kg        | PASS | 32            |
| Imazalil                     | <0.1          | mg/kg        | PASS | 6             |
| Imidacloprid                 | <0.1          | mg/kg        | PASS | 36            |
| Myclobutanil                 | <0.1          | mg/kg        | PASS | 18            |
| Paclobutrazol                | <0.1          | mg/kg        | PASS | 13            |
| Pyrethrum                    | <0.1          | mg/kg        | PASS | 3             |
| Spinosad                     | <0.1          | mg/kg        | PASS | 12            |
| Spiromesifen                 | <0.1          | mg/kg        | PASS | 15            |
| Spirotetramat                | <0.1          | mg/kg        | PASS | 30            |
| Trifloxystrobin              | <0.1          | mg/kg        | PASS | 60            |

**METHODS:** LC – MS/MS (Restek Method)**LIMITS:** per FAO - WHO**Comments:**

- Results are based on a sample submitted to Northeast Laboratories, Inc. on: 01/28/2019

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|                             |                                  |       |                                   |
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| <u>Laboratory ID #:</u>     | 1976406-06                       |       |                                   |
| <u>Product Description:</u> | 190128S – MS                     |       |                                   |

**MYCOTOXINS**

| <b>Parameter</b> | <b>Result</b> | <b>Units</b> | <b>Limits</b> |
|------------------|---------------|--------------|---------------|
|------------------|---------------|--------------|---------------|

*Method: USP 561-II*

|              |    |       |        |
|--------------|----|-------|--------|
| 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 |

*Method: USP 561-II (Mod)*

|              |    |       |        |
|--------------|----|-------|--------|
| 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>Sample Site:</u>         | CURALEAF                         |       |                                   |
|                             | • 100 GRIST MILL RD, SIMSBURY CT |       |                                   |
| <u>Date Collected:</u>      | 01/28/2019                       | 14:30 | Collected by: C. Appell of NELabs |
| <u>Laboratory ID #:</u>     | <u>1976406-06</u>                |       |                                   |
| <u>Product Description:</u> | 190128S – MS                     |       |                                   |

| <b>CANNABINOIDS</b> | <b>% by Weight</b> | <b>Mg per 0.3 g of product</b> | <b>Mg per 0.5 g of product</b> | <b>Mg per 1 g of product</b> |
|---------------------|--------------------|--------------------------------|--------------------------------|------------------------------|
| CBDV                | ----               | ----                           | ----                           | ----                         |
| CBDA                | ----               | ----                           | ----                           | ----                         |
| CBGA                | 4.09               | 12.27                          | 20.45                          | 40.90                        |
| CBG                 | ----               | ----                           | ----                           | ----                         |
| CBD                 | ----               | ----                           | ----                           | ----                         |
| THCV                | ----               | ----                           | ----                           | ----                         |
| CBN                 | 0.25               | 0.75                           | 1.25                           | 2.50                         |
| THC                 | 3.66               | 10.98                          | 18.30                          | 36.60                        |
| CBC                 | ----               | ----                           | ----                           | ----                         |
| THCA                | 86.66              | 259.98                         | 433.30                         | 866.60                       |

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

- Results are based on an average of 2 samples submitted to Northeast Laboratories, Inc. on: 01/28/2019

Approved By:

Alan C. Johnson, Laboratory Director