

Customer Name: Curaleaf, LLC  
Customer Address: 100 Grist Mill Ln.  
Simsbury, CT 06070  
Phone Number: 860-271-9318

Results issued on: 7/20/2018 COA No.: 56071718-G

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| 1804091B-EW       | 2316-17   | Quality Control Analysis   |
|                   | 2316-18   |                            |
|                   | 2316-18   | Active Ingredient Analysis |
|                   | 2316-18   | Terpene Analysis           |

### Quality Control Results

| <u>Analysis</u> | <u>Test Conducted</u>                | <u>Specification</u> | <u>Results (Pass/Fail)</u> |
|-----------------|--------------------------------------|----------------------|----------------------------|
| Microbiology    | Total Aerobic Microbial Count        | < 2,000 CFU/g        | Pass                       |
|                 | Total Yeast and Mold Count           | < 200 CFU/g          | Pass                       |
|                 | Bile-tolerant Gram-negative Bacteria | Not Present          | Pass                       |
|                 | <i>Staphylococcus aureus</i>         | Not Present          | Pass                       |
|                 | <i>Pseudomonas aeruginosa</i>        | Not Present          | Pass                       |
| Mycotoxins      | Aflatoxin B1                         | < 20 ug/Kg           | Pass                       |
|                 | Aflatoxin B2                         | < 20 ug/Kg           | Pass                       |
|                 | Aflatoxin G1                         | < 20 ug/Kg           | Pass                       |
|                 | Aflatoxin G2                         | < 20 ug/Kg           | Pass                       |
|                 | Ochratoxin A                         | < 20 ug/Kg           | Pass                       |
| Heavy Metals    | Arsenic - As                         | < 4.206 ug/g         | Pass                       |
|                 | Cadmium - Cd                         | < 2.704 ug/g         | Pass                       |
|                 | Mercury - Hg                         | < 8.712 ug/g         | Pass                       |
|                 | Lead - Pb                            | < 8.712 ug/g         | Pass                       |
| Pesticides      | See attachment A                     |                      | Pass                       |

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### **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Percent by weight<br>(w/w) | mg per mL of product<br>(density = 0.990 g/mL) |
|------------------------------------------------------------|----------------------------|------------------------------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 2.46%                      | 24.4                                           |
| Tetrahydrocannabinol (THC)                                 | 41.8%                      | 414                                            |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                     | <0.10                                          |
| Cannabidiol (CBD)                                          | <0.10%                     | <0.10                                          |
| Cannabigerol Acid (CBG-A)                                  | 0.16%                      | 1.58                                           |
| Cannabigerol (CBG)                                         | 0.45%                      | 4.46                                           |
| Cannabinol (CBN)                                           | 0.23%                      | 2.28                                           |
| Cannabichromene (CBC)                                      | 0.76%                      | 7.52                                           |

### **Terpene Content Results**

*via Gas Chromatography Mass Spectrometry (GC-MS)*

| Terpene                | Percent by weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | <0.10%                  |
| $\beta$ -Pinene        | <0.10%                  |
| $\beta$ -Myrcene       | 0.10%                   |
| Limonene               | 0.20%                   |
| Ocimene                | <0.10%                  |
| Linalool               | <0.10%                  |
| $\beta$ -Caryophyllene | 0.76%                   |
| Humulene               | 0.39%                   |



Results Approved by: Jose A. Zavaleta, Lab Director

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### Attachment A

| Pesticide                         | Residue limits according to EPA<br>in parts per billion (ppb) | Results |
|-----------------------------------|---------------------------------------------------------------|---------|
| Avermectin (abamectin)            | < 10                                                          | Pass    |
| Acequinocyl                       | < 20                                                          | Pass    |
| Bifenazate                        | < 100                                                         | Pass    |
| Bifenthrin (synthetic pyrethroid) | < 50                                                          | Pass    |
| Cyfluthrin (synthetic pyrethroid) | < 20                                                          | Pass    |
| Etoxazole                         | < 10                                                          | Pass    |
| Imazalil                          | < 100                                                         | Pass    |
| Imidacloprid                      | < 50                                                          | Pass    |
| Myclobutanil                      | < 20                                                          | Pass    |
| Paclobutrazol                     | < 400                                                         | Pass    |
| Pyrethrins (synthetic)            | < 50                                                          | Pass    |
| Spinosad                          | < 10                                                          | Pass    |
| Spiromesifen                      | < 20                                                          | Pass    |
| Spirotetramat                     | < 200                                                         | Pass    |
| Trifloxystrobin                   | < 50                                                          | Pass    |

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