

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

Results issued on: 2/11/2016 COA No.: 56021116-D

| Client Lot Number | Sample ID  | Tests Conducted            |
|-------------------|------------|----------------------------|
| 136D              | 56020916-7 | Quality Control Analysis   |
|                   | 56020916-8 | Active Ingredient Analysis |
|                   | 56020916-8 | Terpene Analysis           |

### Quality Control Results

| <u>Test</u>         | <u>Specification</u>                                    | <u>Results</u><br><u>(Pass/Fail)</u> |
|---------------------|---------------------------------------------------------|--------------------------------------|
| <b>Microbiology</b> | Total Aerobic Microbial Count (< 2K CFU/g)              | Pass                                 |
|                     | Total Yeast and Mold Count (< 200 CFU/g)                | Pass                                 |
|                     | Bile-tolerant Gram-negative Bacteria ( <b>absence</b> ) | Pass                                 |
|                     | <i>Staph. aureus</i> ( <b>absence</b> )                 | Pass                                 |
|                     | <i>Pseud. aeruginosa</i> ( <b>absence</b> )             | Pass                                 |
| <b>Mycotoxins</b>   | 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                                 |
| <b>Heavy Metals</b> | 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                                 |
| <b>Pesticides</b>   | <i>See attachment A</i>                                 | Pass                                 |

## **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                                          | Percent by weight (w/w) | mg per mL of product |
|--------------------------------------------------------------------------------------|-------------------------|----------------------|
| <b><math>\Delta^9</math>-Tetrahydrocannabinol Acid (<math>\Delta^9</math>-THC-A)</b> | <b>54.8%</b>            | <b>591.8</b>         |
| <b><math>\Delta^9</math>-Tetrahydrocannabinol (<math>\Delta^9</math>-THC)</b>        | <b>21.3%</b>            | <b>230.0</b>         |
| <b>Cannabidiol Acid (CBD-A)</b>                                                      | <b>0.3%</b>             | <b>3.2</b>           |
| <b>Cannabidiol (CBD)</b>                                                             | <b>&lt;0.1%</b>         | <b>&lt;0.1</b>       |
| <b>Cannabigerol Acid (CBG-A)</b>                                                     | <b>1.6%</b>             | <b>17.3</b>          |
| <b>Cannabigerol (CBG)</b>                                                            | <b>0.5%</b>             | <b>5.4</b>           |
| <b>Cannabinol (CBN)</b>                                                              | <b>0.1%</b>             | <b>1.1</b>           |
| <b>Cannabichromene (CBC)</b>                                                         | <b>0.5%</b>             | <b>5.4</b>           |

## **Terpene Content Results**

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

| Terpene                                 | Percent by weight (w/w) |
|-----------------------------------------|-------------------------|
| <b><math>\alpha</math>-Pinene</b>       | <b>&lt;0.1%</b>         |
| <b><math>\beta</math>-Pinene</b>        | <b>&lt;0.1%</b>         |
| <b><math>\beta</math>-Myrcene</b>       | <b>0.2%</b>             |
| <b>Limonene</b>                         | <b>0.6%</b>             |
| <b>Ocimene</b>                          | <b>&lt;0.1%</b>         |
| <b>Linalool</b>                         | <b>0.7%</b>             |
| <b><math>\beta</math>-Caryophyllene</b> | <b>1.7%</b>             |
| <b>Humulene</b>                         | <b>0.7%</b>             |



Results Approved by: Jose A. Zavaleta, Lab Director

## 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    |