

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

Results issued on: 1/8/2016 COA No.: 56010716-A

| Client Lot Number | Sample ID  | Tests Conducted            |
|-------------------|------------|----------------------------|
| 158A              | 56010516-1 | Quality Control Analysis   |
|                   | 56010516-2 | Active Ingredient Analysis |
|                   | 56010516-2 | Terpene Analysis           |

### Quality Control Results

| <u>Test</u>  | <u>Specification</u>                                    | <u>Results</u><br><u>(Pass/Fail)</u> |
|--------------|---------------------------------------------------------|--------------------------------------|
| Microbiology | 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                                 |
| 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   | <i>See attachment A</i>                                 | Pass                                 |

©2014 Pure Analytics, LLC All rights reserved. All samples tested were collected at the Customer's production facility from "batches" as designated by the Customer. All test results contained in this COA reflect the "status" of the sampled "batches" ONLY at the time of collection. Pure Analytics, LLC does not guarantee that the "status" of the sampled "batches" will not change due to any processing of any or all of the sampled "batches" following any testing by Pure Analytics, LLC

## **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>46.76%</b>           | <b>505.0</b>         |
| <b><math>\Delta^9</math>-Tetrahydrocannabinol (<math>\Delta^9</math>-THC)</b>        | <b>25.38%</b>           | <b>274.1</b>         |
| <b>Cannabidiol Acid (CBD-A)</b>                                                      | <b>0.24%</b>            | <b>2.6</b>           |
| <b>Cannabidiol (CBD)</b>                                                             | <b>&lt;0.01%</b>        | <b>&lt;0.1</b>       |
| <b>Cannabigerol Acid (CBG-A)</b>                                                     | <b>0.96%</b>            | <b>10.4</b>          |
| <b>Cannabigerol (CBG)</b>                                                            | <b>0.46%</b>            | <b>5.0</b>           |
| <b>Cannabinol (CBN)</b>                                                              | <b>0.26%</b>            | <b>2.8</b>           |
| <b>Cannabichromene (CBC)</b>                                                         | <b>0.48%</b>            | <b>5.2</b>           |

## **Terpene Content Results**

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

| Terpene                                 | Percent by weight (w/w) |
|-----------------------------------------|-------------------------|
| <b><math>\alpha</math>-Pinene</b>       | <b>0.01%</b>            |
| <b><math>\beta</math>-Pinene</b>        | <b>0.04%</b>            |
| <b><math>\beta</math>-Myrcene</b>       | <b>0.15%</b>            |
| <b>Limonene</b>                         | <b>0.46%</b>            |
| <b>Ocimene</b>                          | <b>&lt;0.01%</b>        |
| <b>Linalool</b>                         | <b>0.54%</b>            |
| <b><math>\beta</math>-Caryophyllene</b> | <b>0.28%</b>            |
| <b>Humulene</b>                         | <b>0.12%</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    |