

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

Sample ID: 56050815-1/2 (Lot: 65A)

Results issued on: 5/11/2015

COA No. 2055-A

### Quality Control Analysis

| <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 G1 (< 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                                 |

## **Cannabinoid Analysis**

*Via High Performance Liquid Chromatography (HPLC) Analysis*

| Cannabinoid                                                | Percent by Weight (w/w) |
|------------------------------------------------------------|-------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 0.499%                  |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 0.864%                  |
| Cannabidiol Acid (CBD-A)                                   | 0.853%                  |
| Cannabidiol (CBD)                                          | 2.435%                  |
| Cannabigerol Acid (CBG-A)                                  | 0.031%                  |
| Cannabigerol (CBG)                                         | 0.081%                  |
| Cannabinol (CBN)                                           | 0.019%                  |
| Cannabichromene (CBC)                                      | 0.154%                  |

| Cannabinoid                                                | mg per mL of product |
|------------------------------------------------------------|----------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 4.11                 |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 7.12                 |
| Cannabidiol Acid (CBD-A)                                   | 7.03                 |
| Cannabidiol (CBD)                                          | 20.06                |
| Cannabigerol Acid (CBG-A)                                  | 0.26                 |
| Cannabigerol (CBG)                                         | 0.67                 |
| Cannabinol (CBN)                                           | 0.16                 |
| Cannabichromene (CBC)                                      | 1.27                 |

## **Terpenoid Analysis**

*Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis*

| Terpene                | Percent by Weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | <0.010%                 |
| $\beta$ -Pinene        | <0.010%                 |
| $\beta$ -Myrcene       | 0.013%                  |
| Limonene               | 0.038%                  |
| Ocimene                | <0.010%                 |
| Linalool               | 0.046%                  |
| $\beta$ -Caryophyllene | 0.142%                  |
| Humulene               | 0.051%                  |



Results Approved by: Jose A. Zavaleta, Director

### **Attachment A**

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