



Anova Laboratory, LLC  
 1685 Tucker Road  
 Hood River, OR 97031  
 541.387.4020 (office)  
 866.293.1337 (fax)

## Certificate of Analysis

The Clone Brothers

Lic Num: 0201002250AD7C

Strain: 9lb Hammer

Matrix: Flower

CTS Batch #: 1A40103000003E9000000113

Lot Number: 9lb Hammer Fall 2106

Lot Size (lb): 10

Client CTS Sample ID: 1A40103000003E9000000133

Collected: 11/23/2016 11:20

Received: 11/23/2016 11:40

Anova Sample ID: 021163280306

| Analysis Performed                                    | Date Analyzed | Result        | fn           | Reporting Units | Reporting Criterion | Pass/Fail |
|---|---------------|---------------|--------------|-----------------|---------------------|-----------|
| <b>Giese 2015</b>                                     |               |               |              |                 |                     |           |
| Cannabidiol (CBD) by HPLC                             | 12/4/2016     | < <b>0.05</b> |              | % Mass          | n/a                 | n/a       |
| Cannabidiolic acid (CBDA) by HPLC                     | 12/4/2016     | <b>0.16</b>   |              | % Mass          | n/a                 | n/a       |
| Cannabinol (CBN) by HPLC                              | 12/4/2016     | <b>0.08 J</b> | <sup>1</sup> | % Mass          | n/a                 | n/a       |
| delta-9-Tetrahydrocannabinol (d9-THC) by HPLC         | 12/4/2016     | <b>2.58</b>   |              | % Mass          | n/a                 | n/a       |
| delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC | 12/4/2016     | <b>19.37</b>  |              | % Mass          | n/a                 | n/a       |
| Total CBD (Calculated)                                | 12/4/2016     | <b>0.14</b>   |              | % Mass          | n/a                 | n/a       |
| Total THC (Calculated)                                | 12/4/2016     | <b>19.57</b>  |              | % Mass          | n/a                 | n/a       |
| <b>AOAC Method 934.01</b>                             |               |               |              |                 |                     |           |
| Moisture (Loss on Drying)                             | 11/27/2016    | <b>11.81</b>  |              | % Mass          | n/a                 | n/a       |
| <b>AOAC Method 978.18</b>                             |               |               |              |                 |                     |           |
| Water Activity  | 11/27/2016    | <b>0.49</b>   |              | aW              | 0.65 max            | Pass      |
| <b>AOAC Method 2007.1</b>                             |               |               |              |                 |                     |           |
| Abamectin (CAS# 71751-41-2)                           | 12/6/2016     | < <b>500</b>  |              | ppb (ng/g)      | 500 max             | Pass      |
| Acephate (CAS# 30560-19-1)                            | 12/6/2016     | < <b>400</b>  |              | ppb (ng/g)      | 400 max             | Pass      |
| Acequinocyl (CAS# 57960-19-7)                         | 12/6/2016     | < <b>2000</b> |              | ppb (ng/g)      | 2000 max            | Pass      |
| Acetamiprid (CAS# 135410-20-7)                        | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |
| Aldicard (CAS# 116-06-3)                              | 12/6/2016     | < <b>400</b>  |              | ppb (ng/g)      | 400 max             | Pass      |
| Azoxystrobin (CAS# 131860-33-8)                       | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |
| Bifenazate (CAS# 149877-41-8)                         | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |
| Bifenthrin (CAS# 82657-04-3)                          | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |
| Boscalid (CAS# 188425-85-6)                           | 12/6/2016     | < <b>400</b>  |              | ppb (ng/g)      | 400 max             | Pass      |
| Carbaryl (CAS# 63-25-2)                               | 12/6/2016     | < <b>200</b>  |              | ppb (n/g)       | 200 max             | Pass      |
| Carbofuran (CAS# 1563-66-2)                           | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |
| Chlorantraniliprole (CAS# 500008-45-7)                | 12/6/2016     | < <b>200</b>  |              | ppb (ng/g)      | 200 max             | Pass      |

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The Clone Brothers  
 18998 South Fischers Mill  
 Oregon City, OR 97045  
 John Sauer  
 Lic Num: 0201002250AD7C

Strain: 9lb Hammer  
 Matrix: Flower  
 CTS Batch #: 1A40103000003E9000000113  
 Lot Number: 9lb Hammer Fall 2106  
 Lot Size (lb): 10  
 Client CTS Sample ID: 1A40103000003E9000000133  
 Collected: 11/23/2016 11:20  
 Received: 11/23/2016 11:40  
 Anova Sample ID: 021163280306

| Analysis Performed                         | Date Analyzed | Result | fn | Reporting Units | Reporting Criterion | Pass/Fail |
|--|---------------|--------|----|-----------------|---------------------|-----------|
| Chlorfenapyr (CAS# 122453-73-0)            | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Chlorpyrifos (CAS# 2921-88-2)              | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Clofentezine (CAS# 74115-24-5)             | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Cyfluthrin (Baythroid) (CAS# 68359-37-5)   | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Cypermethrin (CAS# 52315-07-8)             | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Daminozide (CAS# 1596-84-5)                | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| DDVP (Dichlorvos) (CAS# 62-73-7)           | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Diazinon (CAS# 333-41-5)                   | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Dimethoate (CAS# 60-51-5)                  | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Ethoprophos (CAS# 13194-48-4)              | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Etofenprox (CAS# 80844-07-1)               | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Etoxazole (CAS#153233-91-1)                | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Fenoxycarb (CAS# 79127-80-3 or 72490-01-8) | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Fenpyroximate (CAS# 134098-61-6)           | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Fipronil (CAS# 120068-37-3)                | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Flonicamid (CAS# 158062-67-0)              | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Fludioxonil (CAS# 131341-86-1)             | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Hexythiazox (CAS#78587-05-0)               | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Imazalil (CAS# 35554-44-0)                 | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Imidacloprid (CAS# 138261-41-3)            | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Kresoxim-methyl (CAS#143390-89-0)          | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Malathion (CAS# 121-75-5)                  | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Metalaxyl (CAS# 57837-19-1)                | 12/6/2016     | < 200  |    | pbb (ng/g)      | 200 max             | Pass      |
| Methiocarb (CAS#2032-65-7)                 | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Methomyl (CAS# 16752-77-5)                 | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Methyl parathion (CAS# 298-00-0)           | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |

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|---|---------------|--------|----|-----------------|---------------------|-----------|
| MGK-264 ( CAS# 113-48-4)                            | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Myclobutanil (Systhane) (CAS# 88671-89-0)           | 12/6/2016     | < 200  |    | ppb (ng/)       | 200 max             | Pass      |
| Naled (Dibrom) (CAS# 300-76-5)                      | 12/6/2016     | < 500  |    | ppb (ng/g)      | 500 max             | Pass      |
| Oxamyl (CAS# 23135-22-0)                            | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Paclobutranzol (CAS#76738-62-0)                     | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Permethrins (-cis) (39%) (CAS#52645-53-1)           | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Permethrins (-trans) (59%) (CAS# 51877-74-8)        | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Phosmet (Imidan) (CAS# 732-11-6)                    | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Piperonyl butoxide (CAS# 51-03-6)                   | 12/6/2016     | < 2000 |    | ppb (ng/g)      | 2000 max            | Pass      |
| Prallethrin (CAS# 23031-36-9)                       | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Propiconazole (CAS# 60207-90-1)                     | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Propoxur (Baygon) (CAS# 114-26-1)                   | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Pyrethrin - Cinerin 1 (CAS# 8003-34-7 / 25402-06-6) | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Pyrethrin - Jasmolin 1 (CAS# 8003-34-7 / 4466-14-2) | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Pyrethrin - Pyrethrin 1 (CAS# 8003-34-7 / 121-21-1) | 12/6/2016     | < 1000 |    | ppb (ng/g)      | 1000 max            | Pass      |
| Pyridaben (CAS# 96489-71-3)                         | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Spinosad A (CAS# 168316-95-8)                       | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Spinosad D (CAS# 168316-95-8)                       | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Spiromesifen (CAS# 283594-90-1)                     | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Spirotetramat (CAS# 23313-25-1)                     | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Spiroxamine II (CAS# 11834-30-8)                    | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Sprioxamine I (CAS# 11834-30-8)                     | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Tebuconazole (Folicur) (CAS# 107534-96-3)           | 12/6/2016     | < 400  |    | ppb (ng/g)      | 400 max             | Pass      |
| Thiacloprid (CAS# 11988-49-9)                       | 12/6/2016     | < 200  |    | ppb (gn/g)      | 200 max             | Pass      |
| Thiamethoxam (CAS# 153719-23-4)                     | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |
| Trifloxystrobin (CAS# 141517-21-7)                  | 12/6/2016     | < 200  |    | ppb (ng/g)      | 200 max             | Pass      |

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

**Footnotes:**

Acceptance criteria are found in the Oregon Administrative Rule. Analyses are performed in accordance with the most current methods.

Potency results reported on a dry weight basis.

Pesticide analyses outsourced to OLCC licensed ORELAP accredited laboratory.

1. J = estimated value. The analyte of interest was detected at a concentration below the lowest calibrated value.

**Reviewed By:** J. Fetkenhour, Technical Director

**Date:** 12/8/2016

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