



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: Sour Diesel

Matrix: Flower

CTS Batch #: 1A40103000003E9000000111

Lot Number: Sour Diesel Fall 2016

Lot Size (lb): 3.23

Client CTS Sample ID: 1A40103000003E9000000147

Collected: 11/23/2016 10:30

Received: 11/23/2016 11:40

Anova Sample ID: 021163280301

Analysis Performed	Date Analyzed	Result	fn	Reporting Units	Reporting Criterion	Pass/Fail
<b>Giese 2015</b>						
Cannabidiol (CBD) by HPLC	12/4/2016	<b>0.07 J</b>	<sup>1</sup>	% Mass	n/a	n/a
Cannabidiolic acid (CBDA) by HPLC	12/4/2016	<b>0.11</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>1.62</b>		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC	12/4/2016	<b>21.05</b>		% Mass	n/a	n/a
Total CBD (Calculated)	12/4/2016	<b>0.17</b>		% Mass	n/a	n/a
Total THC (Calculated)	12/4/2016	<b>20.08</b>		% Mass	n/a	n/a
<b>AOAC Method 934.01</b>						
Moisture (Loss on Drying)	11/27/2016	<b>12.45</b>		% Mass	n/a	n/a
<b>AOAC Method 978.18</b>						
Water Activity	11/27/2016	<b>0.45</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

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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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