



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: Purple Diesel  
 Matrix: Flower  
 CTS Batch #: TCB\_083  
 Lot Number: PurpleDieselFall2016  
 Lot Size (lb): 4.15  
 Client CTS Sample ID: TCB\_089  
 Collected: 11/14/2016 14:05  
 Received: 11/14/2016 18:05  
 Anova Sample ID: 021163190104

Analysis Performed	Date Analyzed	Result	fn	Reporting Units	Reporting Criterion	Pass/Fail
<b>Giese 2015</b>						
Cannabidiol (CBD) by HPLC	11/25/2016	< <b>0.05</b>		% Mass	n/a	n/a
Cannabidiolic acid (CBDA) by HPLC	11/25/2016	<b>0.07</b>		% Mass	n/a	n/a
Cannabinol (CBN) by HPLC	11/25/2016	<b>0.36</b>		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinol (d9-THC) by HPLC	11/25/2016	<b>0.99</b>		% Mass	n/a	n/a
delta-9-Tetrahydrocannabinolic acid (d9-THCA) by HPLC	11/25/2016	<b>10.88</b>		% Mass	n/a	n/a
Total CBD (Calculated)	11/25/2016	<b>0.09</b>		% Mass	n/a	n/a
Total THC (Calculated)	11/25/2016	<b>10.53</b>		% Mass	n/a	n/a
<b>AOAC Method 934.01</b>						
Moisture (Loss on Drying)	11/15/2016	<b>11.07</b>		% Mass	n/a	n/a
<b>AOAC Method 978.18</b>						
Water Activity	11/15/2016	<b>0.51</b>		aW	0.65 max	Pass
<b>AOAC Method 2007.1</b>						
Abamectin (CAS# 71751-41-2)	11/29/2016	< <b>500.0</b>		ppb (ng/g)	500 max	Pass
Acephate (CAS# 30560-19-1)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Acequinocyl (CAS# 57960-19-7)	11/29/2016	< <b>2000.0</b>		ppb (ng/g)	2000 max	Pass
Acetamiprid (CAS# 135410-20-7)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Aldicarb (CAS# 116-06-3)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Azoxystrobin (CAS# 131860-33-8)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Bifenazate (CAS# 149877-41-8)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Bifenthrin (CAS# 82657-04-3)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Boscalid (CAS# 188425-85-6)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Carbaryl (CAS# 63-25-2)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Carbofuran (CAS# 1563-66-2)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Chlorantraniliprole (CAS# 500008-45-7)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass

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Chlorfenapyr (CAS# 122453-73-0)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
Chlorpyrifos (CAS# 2921-88-2)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Clofentezine (CAS# 74115-24-5)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Cyfluthrin (Baythroid) (CAS# 68359-37-5)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
Cypermethrin (CAS# 52315-07-8)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
Daminozide (CAS# 1596-84-5)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
DDVP (Dichlorvos) (CAS# 62-73-7)	11/29/2016	< <b>100.0</b>		ppb (ng/g)	100 max	Pass
Diazinon (CAS# 333-41-5)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Dimethoate (CAS# 60-51-5)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Ethoprophos (CAS# 13194-48-4)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Etofenprox (CAS# 80844-07-1)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Etoxazole (CAS#153233-91-1)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Fenoxycarb (CAS# 79127-80-3 or 72490-01-8)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Fenpyroximate (CAS# 134098-61-6)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Fipronil (CAS# 120068-37-3)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Flonicamid (CAS# 158062-67-0)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
Fludioxonil (CAS# 131341-86-1)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Hexythiazox (CAS#78587-05-0)	11/29/2016	< <b>1000.0</b>		ppb (ng/g)	1000 max	Pass
Imazalil (CAS# 35554-44-0)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Imidacloprid (CAS# 138261-41-3)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Kresoxim-methyl (CAS#143390-89-0)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Malathion (CAS# 121-75-5)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Metalaxyl (CAS# 57837-19-1)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Methiocarb (CAS#2032-65-7)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass
Methomyl (CAS# 16752-77-5)	11/29/2016	< <b>400.0</b>		ppb (ng/g)	400 max	Pass
Methyl parathion (CAS# 298-00-0)	11/29/2016	< <b>200.0</b>		ppb (ng/g)	200 max	Pass

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MGK-264 (CAS# 113-48-4)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Myclobutanil (Systhane) (CAS# 88671-89-0)	11/29/2016	< 200.0		ppb (ng/)	200 max	Pass
Naled (Dibrom) (CAS# 300-76-5)	11/29/2016	< 500.0		ppb (ng/g)	500 max	Pass
Oxamyl (CAS# 23135-22-0)	11/29/2016	< 1000.0		ppb (ng/g)	1000 max	Pass
Paclobutranzol (CAS#76738-62-0)	11/29/2016	< 400.0		ppb (ng/g)	400 max	Pass
Permethrins (-cis) (39%) (CAS#52645-53-1)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Permethrins (-trans) (59%) (CAS# 51877-74-8)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Phosmet (Imidan) (CAS# 732-11-6)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Piperonyl butoxide (CAS# 51-03-6)	11/29/2016	< 2000.0		ppb (ng/g)	2000 max	Pass
Prallethrin (CAS# 23031-36-9)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Propiconazole (CAS# 60207-90-1)	11/29/2016	< 400.0		ppb (ng/g)	400 max	Pass
Propoxur (Baygon) (CAS# 114-26-1)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Pyrethrin - Cinerin 1 (CAS# 8003-34-7 / 25402-06-6)	11/29/2016	< 1000.0		ppb (ng/g)	1000 max	Pass
Pyrethrin - Jasmolin 1 (CAS# 8003-34-7 / 4466-14-2)	11/29/2016	< 1000.0		ppb (ng/g)	1000 max	Pass
Pyrethrin - Pyrethrin 1 (CAS# 8003-34-7 / 121-21-1)	11/29/2016	< 1000.0		ppb (ng/g)	1000 max	Pass
Pyridaben (CAS# 96489-71-3)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Spinosad A (CAS# 168316-95-8)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Spinosad D (CAS# 168316-95-8)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Spiromesifen (CAS# 283594-90-1)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Spirotetramat (CAS# 23313-25-1)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Spiroxamine II (CAS# 11834-30-8)	11/29/2016	< 400.0		ppb (ng/g)	400 max	Pass
Sprioxamine I (CAS# 11834-30-8)	11/29/2016	< 400.0		ppb (ng/g)	400 max	Pass
Tebuconazole (Folicur) (CAS# 107534-96-3)	11/29/2016	< 400.0		ppb (ng/g)	400 max	Pass
Thiacloprid (CAS# 11988-49-9)	11/29/2016	< 200.0		ppb (gn/g)	200 max	Pass
Thiamethoxam (CAS# 153719-23-4)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass
Trifloxystrobin (CAS# 141517-21-7)	11/29/2016	< 200.0		ppb (ng/g)	200 max	Pass

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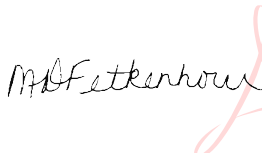
**Footnotes:**

Acceptance criteria are found in the Oregon Administrative Rule. Analyses are performed in accordance with the most current methods. Batch Quality Control samples met acceptance criteria unless noted otherwise.

Potency results reported on a dry weight basis.  
 Pesticide analyses outsourced to OLCC licensed ORELAP accredited laboratory.

**Reviewed By:** M. Fetkenhour, Laboratory Director

**Date:** 12/1/2016

  
 Digitally signed by Michelle D. Fetkenhour  
 DN: cn=Michelle D. Fetkenhour, o=Anova Laboratory, ou, email=michelle@anovalab.net, c=US  
 Reason: I attest to the accuracy and integrity of this document  
 Date: 2016.12.01 17:24:12 -08'00'

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