

### Potency Comparison Chart

% by weight

#### ALICE IN WONDERLAND (BHO)

	As Advertised	Confidence Analytics	Steep Hill Halent	Analytical 360	Phytalab	The Werc Shop	Rose City
THC-A	53.71	39.47	41.13	50.62	46.6	44.23	51.9
D9-THC	14.66	20.25	18.38	9.57	43.97	21.19	17.96
D8-THC			ND				<.05
TOTAL THC	68.37	59.72	59.51	60.42		65.42	69.86
CBD-A		0.391	ND	0.15	0	ND	0.19
CBD	0.069	<.01	ND	0.37	0	0.18	3.23
TOTAL CBD		0.391	ND	0.52		0.18	3.4
CBN		0.748	0.69	0.23	0	0.78	0.97
CBG-A		1.476	0.97	1.24		1.38	
CBG		0.48	0.43	0.42	0	1.63	0.39
CBC		0.94	0.55	0.54		0.71	0.75
TOTAL OTHER	18.1	2.163	2.64	2.43		4.5	2.11
ACTIVE THC	61.78						

#### TRAILBLAZIN'S GRAPEFRUIT (FLOWER)

	As Advertised	Confidence Analytics	Steep Hill Halent	Analytical 360	Phytalab	The Werc Shop	Rose City
THC-A	23.8	20.44	18.38	19.9	23.29	21.15	18.33
D9-THC	1.1	1.441	0.87	1.09	2.93	0.64	1
D8-THC			0.06	<.01			<.05
TOTAL THC	25.4	21.88	19.31	20.99		21.79	19.33
CBD-A		0.096	0.04	0.07	0.03	0.05	0.05
CBD	0.05	<.01	ND	0.09		ND	0.13
TOTAL CBD		0.096	0.04	0.16	0.03	0.05	0.18
CBN		<.01	ND	<.01		ND	<.05
CBG-A		0.162	0.13	0.14		0.02	
CBG		0.08	0.06	<.01		ND	0.04
CBC		<.01	0.02	0.03		0.01	0.04
TOTAL OTHER		0.024	0.21	0.19	NA	0.03	0.08
TOTAL CANNABINOIDS	25.4						

#### Rose City Lab Results

Potencies and pesticides on products not tested in Washington (\*-as advertised)

	God's Gift Wax	God's Gift Wax*	Dutch Treat	Dutch Treat*	Kief	Kief*	Chocolope	Chocolope*
THC-A	83.86		20.99		59.96	53.6	14.85	17.4
D9-THC	6.19		0.96		0.83	0.85	0.19	0.34
D8-THC	<.05		<.05		<.05		<.05	
TOTAL THC	90.05	90.39	21.95	20.7	60.79	54.45	15.04	
CBD-A	0.26		0.06		0.16		0.02	
CBD	0.86		0.32		1.22	1.16	0.18	
TOTAL CBD	1.12	1.38	0.38	0.3	1.38		0.2	0.13
CBN	0.07		0.02		<.05		<.05	
CBG-A								
CBG	0.26		0.15		<.05		0.03	
CBC	0.25		0.05		<.05		<.05	
TOTAL OTHER	0.58		0.22		<.10		0.03	
PESTICIDES	NEG		NEG		NEG		NEG	
TOTAL CANNABINOIDS						58.6		8.18

No residual solvents found in concentrates. No pesticides found in the flower.



13615 100th AVE NE  
Kirkland, WA 98034  
(425)406-8090

Date : 03/13/2015

SAMPLE ID : STR001220

CUSTOMER SAMPLE ID : Brian Stone  
BHO

**CERTIFICATE OF ANALYSIS**

GROWER/PRODUCER : Dr. Gil Mobley

EMAIL : drgilmobley@gmial.com

CERTIFICATION : none

SAMPLE TYPE : other extract/concentrate

INITIAL WEIGHT : 1g

ADDRESS : ,

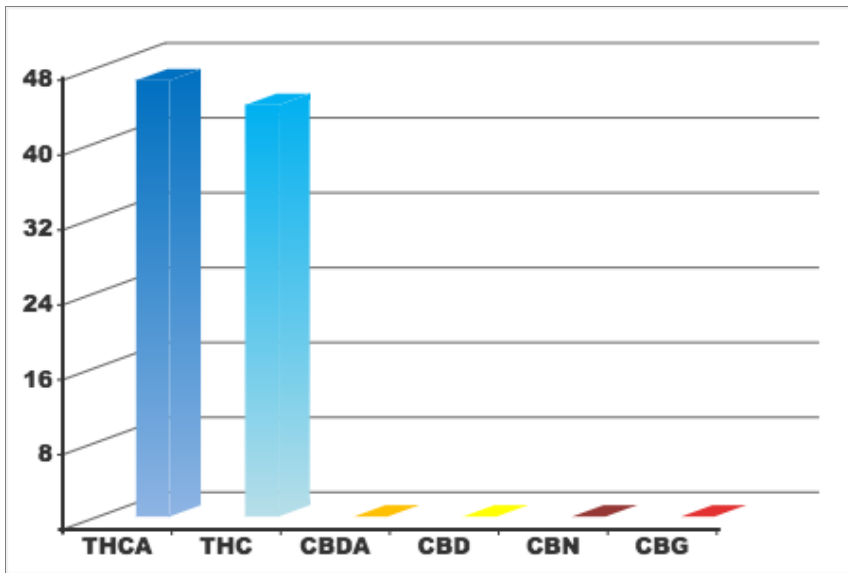
PHONE :

STRAIN :

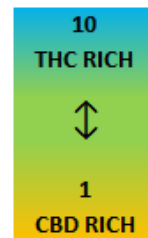
MATRIX : BHO

SAMPLE  
DETAILS :

**POTENCY PROFILE:**



	% BY WEIGHT	± UNCERTAINTY	Amt per Serving (mg)
THCA	46.60	± 0.19	
THC	43.97	± 0.44	
CBDA	0	± 0.33	
CBD	0	± 0.32	
CBN	0	± 0.33	
CBG	0	± 0.32	



POTENCY SCORE

10

Standard Curve Date : 2/26/15    ISTD Recovery : 112.62%

QA COMMENTS : -

**Approved for Release**

A handwritten signature in blue ink, appearing to read "Michelle Sexton".

Michelle Sexton, ND

Chief Science Officer



# The Werc Shop

855-734-6640 www.TheWercShop.com



## CERTIFIED CANNABACEUTICALS™

### CERTIFICATE OF ANALYSIS

Analysis Performed For:

Dr. Gill

Strain Name	Strain Type	Grow Envir.	Customer's Lot #	Lot ID	Tested On Date	MAXIMUM AVAILABLE			INDIVIDUAL COMPONENTS							Methanol	Ethanol	Total Solvents
						Δ <sup>9</sup> -THC Max. Wt. %	CBD Max. Wt. %	Δ <sup>9</sup> -THC Wt. %	Δ <sup>9</sup> -THCA Wt. %	CBD Wt. %	CBDA Wt. %	CBG Wt. %	CBGA Wt. %	CBC Wt. %	CBN Wt. %			
BHO	0	0	0	572-8429400-002	3/13/2015	59.99	0.18	21.19	44.23	0.18	ND	1.63	1.38	0.71	0.78	5ppm	10ppm	15ppm

Terpenes	mg/g
α-Bisabolol	NT
Caryophyllene	NT
Caryophyllene Oxide	NT
α-Humulene	NT
Limonene	NT
Linalool	NT
Myrcene	NT
α-Pinene	NT
β-Pinene	NT
Terpinolene	NT
<b>Sum of Terpenes</b>	<b>NT</b>

α-Bisabolol																		
β-Caryophyllene																		
Caryophyllene oxide																		
α-Humulene																		
Limonene																		
Linalool																		
Myrcene																		
α-Pinene																		
β-Pinene																		
Terpinolene																		

Maximum CBD Wt% is calculated assuming all CBDA is completely converted upon heating  
Maximum THC Wt% is calculated assuming all THCA is completely converted upon heating  
Herbal Cannabis Samples have been known to show considerable intra- and inter-plant variability. The test results presented above are primarily representative only of the material directly analyzed and subsequent samples collected from the same lot might not provide identical results. The Werc Shop, Inc. uses high performance liquid chromatographic techniques.  
Cannabaceuticals™ Moving Sustainable Medicines Forward™, Werc™, the W Logo, Erby™ and the "CC" are trademarks of The Werc Shop, Inc.  
This CoA is intended for use only by a valid WA Proposition RCW89.51A Patient or Organization for Washington medical purposes  
\*Standards for CFU levels established in compliance with WA 1602 for each product class

\*Microbiological Colony Forming Units (cfu/g):  
CO2 and Solvent Extracts  
All Other Products

	Total Aerobic Count	Negatives	Total Yeast & Mold
Flax	<10,000	<100	<1,000
Flax	<100,000	<1,000	<10,000

NT = Not Tested  
ND = Not Detected



## Certificate of Analysis - Potency

**Sample:** BHO  
**Date Tested:** 3/20/2015  
**Test Result UID:** ANL20150315B433415

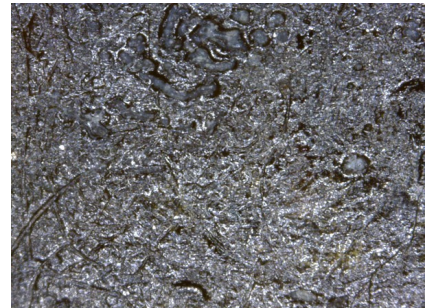
### Photographs



**25x**

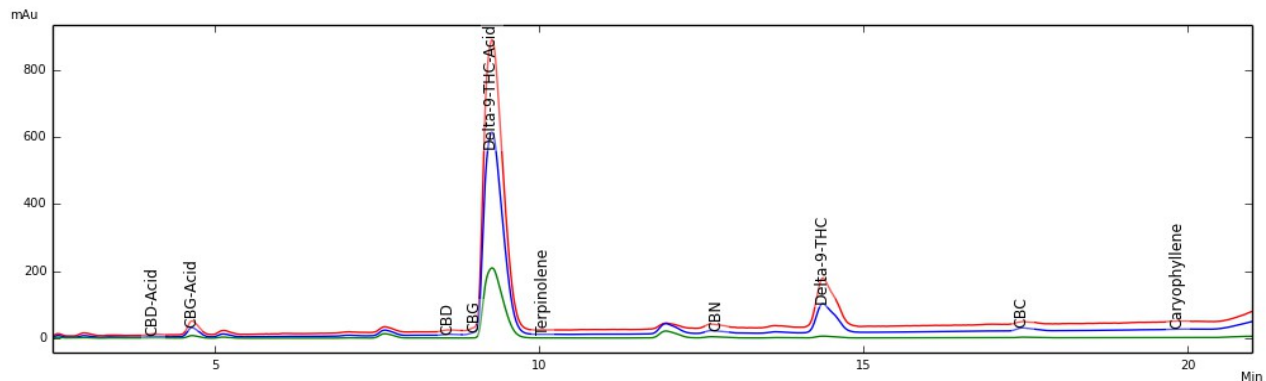


**50x**



**230x**

### HPLC Chromatogram



### Potency Profiles

#### Cannabinoid Profile

1.24%	<b>CBG-Acid</b>
0.42%	<b>CBG</b>
<b>1.66%</b>	<b>CBG-Total</b>
<b>50.62%</b>	<b>Delta-9 THC Acid</b>
<b>9.57%</b>	<b>Delta-9 THC</b>
< 0.01%	<b>Delta-8 THC</b>
0.23%	<b>CBN</b>
<b>60.42%</b>	<b>THC-Total</b>
0.15%	<b>CBD Acid</b>
0.37%	<b>CBD</b>
<b>0.52%</b>	<b>CBD-Total</b>
0.54%	<b>CBC</b>
0.54%	<b>CBC-Total</b>
<b>11.13%</b>	<b>Active Cannabinoids</b> [ $\Delta$ 9THC + $\Delta$ 8THC + CBN + CBD + CBC]

#### Terpenoid Profile

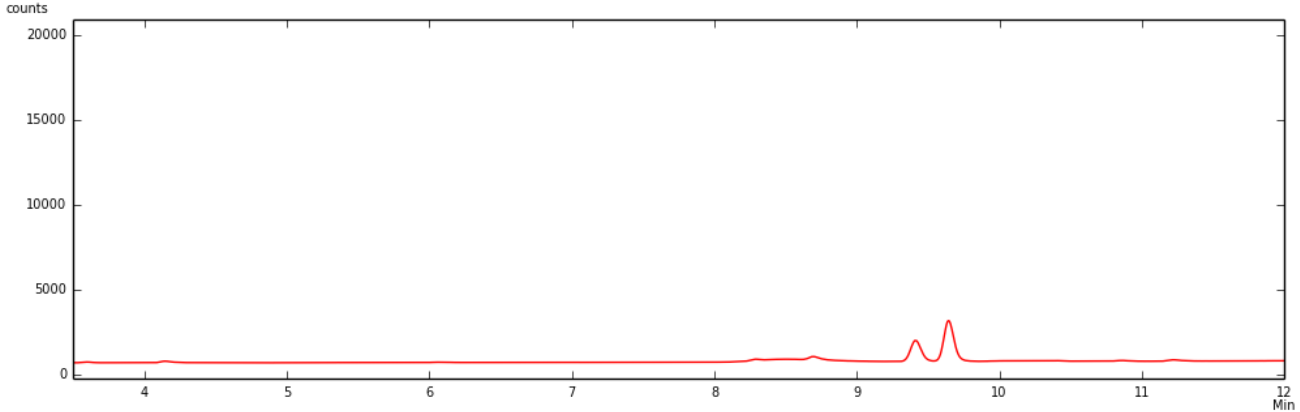
< 0.01%	<b>Linalool</b>
< 0.01%	<b>Caryophyllene Oxide</b>
< 0.01%	<b>Myrcene</b>
< 0.01%	<b>beta-Pinene</b>
< 0.01%	<b>Limonene</b>
0.79%	<b>Terpinolene</b>
< 0.01%	<b>alpha-Pinene</b>
< 0.01%	<b>Humulene</b>
2.14%	<b>Caryophyllene</b>
<b>2.93%</b>	<b>Terpenoids-Total</b>



# Certificate of Analysis – Residual Solvent Analysis

**Sample:** BHO  
**Date Tested:** 3/20/2015  
**Test Result UID:** ANL20150315B433415

## GC Chromatogram



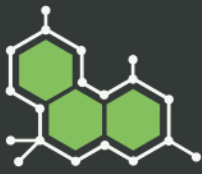
- < 10 PPM Propane
- < 10 PPM Isobutane
- < 10 PPM Butane
- < 10 PPM Ethanol
- < 10 PPM Acetone
- < 10 PPM Isopentane
- < 10 PPM Pentane
- < 10 PPM Isopropanol
- < 10 PPM Hexane
- < 10 PPM Naphtha
- < 10 PPM SOLVENTS - TOTAL

### Daily Allowable Limits:

<b>Propane:</b>	<b>5000 ppm per day</b>
<b>Isobutane:</b>	<b>5000 ppm per day</b>
<b>Butane:</b>	<b>5000 ppm per day</b>
<b>Ethanol:</b>	<b>5000 ppm per day</b>
<b>Acetone:</b>	<b>5000 ppm per day</b>
<b>Isopentane:</b>	<b>5000 ppm per day</b>
<b>Pentane:</b>	<b>5000 ppm per day</b>
<b>Isopropanol:</b>	<b>5000 ppm per day</b>
<b>Hexane:</b>	<b>290 ppm per day</b>

**Reference:** American Herbal Products Association  
Guidance on Residual Solvents in Extracts

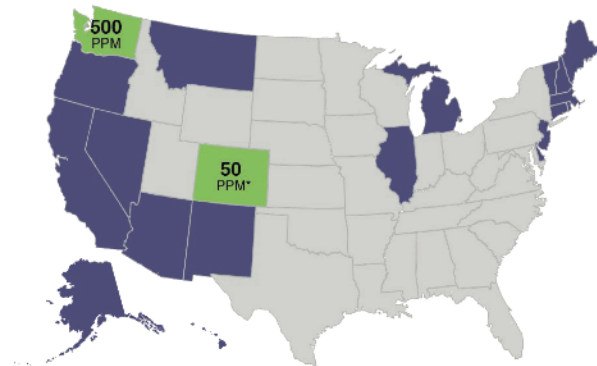
[http://www.ahpa.org/Default.aspx?tabid=223#section\\_solvents](http://www.ahpa.org/Default.aspx?tabid=223#section_solvents)



# BHO Sample

Customer: Gil Mobley		Test Site: SHHL Washington		Instrument: Agilent Headspace ...	
Test: Residual Solvent Screen		Type: Concentrate		Customer's ID: --	
Submitted: 02/13/2015		Tested: 3/19/2015		Reported: 03/20/2015	
				Sample ID: 20150213-01-01	
				Sample Mass: 0.4746 g	

<b>Parts Per Million (PPM) Limits</b>	<b>Test Summary</b>
---------------------------------------	---------------------



**COLORADO**  
CO Retail Mandatory Testing: Basis and Purpose – R 712

- N-Butane, Iso-butane, Propane < 50PPM\*
- Heptane, Isopropyl, Ethanol < 10PPM
- Solvents not pursuant with Rule R 605 < None Detected

**WASHINGTON**  
WAC 314-55-104 Marijuana Processor License Extraction Requirements:

- For finished cannabis extract < 500PPM

Total measured solvent:	151 ppm
Total I-502 solvent:	0 ppm
Propane	Not Detected
2-Methylpropane	Not Detected
Methanol	Not Detected
Butane	Not Detected
Ethanol	36 ppm
Acetone	107 ppm
2-Methylbutane	Not Detected
2-Propanol	7 ppm
n-Pentane	Not Detected
3-Methylpentane	Not Detected
n-Hexane	Not Detected
Methylcyclopentane	Not Detected
Cyclohexane	Not Detected
n-Heptane	Not Detected

This report and all information herein shall not be reproduced, except in its entirety, without the written consent of Steep Hill Halent. The report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical related symptoms. Results are applicable only for samples tested, and for the specific tests conducted.

