

**Sample Name: Orchid Cartridge Batch 081517**

Client: ybl  
 Sample Type: Oil  
 Strain: Unknown

Submitted: August 15, 2017  
 Tested: August 15, 2017  
 Expires: February 11, 2018  
 Submitted for: HPLC, Chemres,

**Cannabinoid Profiling**

Analysis of major cannabinoids by advanced chromatography. [GC: SOP-010; HPLC: SOP-014]

	HPLC		GC	
	Percent	mg/g	Percent	mg/g
d9-THC	64.67	646.69	NA	NA
d8-THC	ND*	ND*	NA	NA
THCA	0.13	1.28	NA	NA
THCV	1.93	19.27	NA	NA
CBC	1.36	13.58	NA	NA
CBG	2.05	20.49	NA	NA
CBGA	ND*	ND*	NA	NA
CBN	1.14	11.43	NA	NA
CBD	0.60	6.03	NA	NA
CBDV	ND*	ND*	NA	NA
CBDA	ND*	ND*	NA	NA
<b>Total</b>	<b>71.88</b>	<b>718.77</b>	<b>NA</b>	<b>NA</b>

HPLC/DAD results are not moisture normalized.  
 -100% Decarboxylated THC



**Microbiological Screening**

Petrifilm screening for microbiological contamination. [SOP-009]

	Count	Client Limit**	Status***
APC	NA		
Yeast & Mold	NA		
Coliform	NA		
E coli	NA		
Pseudomonas	NA		
Salmonella	NA		

\*TNTC = Too Numerous To Count  
 \*\*Client Limit = The limit is self-selected and will be replaced by official CA state limits when they become available.  
 \*\*\*Pass/Fail based on client limit selected.  
 †ND = Not Detected

**Terpene Profiling**

Analysis of terpenes. [SOP-012]

	PPM		PPM		PPM
b-Myrcene	NA	Sabinene	NA	Elemene	NA
Nerol	NA	b-Pinene	NA	Phellandrene	NA
Nerolidol	NA	Camphene	NA	Isopulegol	NA
Ocimene	NA	Eucalyptol	NA	Linalool	NA
a-Bisbolol	NA	(-)-Fenchone	NA	(+)-Fenchone	NA
Farnasene	NA	Fenchol	NA	a-Caryophyllene	NA
Valencene	NA	Camphor	NA	Guaiol	NA
d3-Carene	NA	Borneol	NA	Bergamotene	NA
d-Limonene	NA	Pulegone	NA	Terpineol	NA
g-Terpinene	NA	Cedrol	NA	Terpinolene	NA
a-Pinene	NA	b-Caryophyllene	NA	a-Terpinene	NA

**Total Terpenes 0.0 PPM**  
 \*ND = Not Detected

**Residual Solvent Analysis**

Analysis of residual solvents. [SOP-011]

	PPM	Client Limit**		PPM	Client Limit**
Acetone	NA	400	Isopropanol	NA	400
Benzene	NA	400	Methanol	NA	400
Ethanol	NA	400	nButane	NA	400
Heptane	NA	400	Pentane	NA	400
Hexane	NA	400	Propane	NA	400
Isobutane	NA	400	Toluene	NA	400

\*ND = Not Detected  
 \*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

*Robert W Martin, PhD*  
 Robert W Martin, PhD

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**Chemical Residue Screening**

Targeted analysis of chemical residues. [SOP-017]

	PPB	Client Limit*	Status***		PPB	Client Limit**	Status***
Abamectin	ND*	200	Pass	Imidacloprid	ND*	200	Pass
Azoxystrobin	ND*	200	Pass	Malathion	ND*	200	Pass
Bifenazate	ND*	200	Pass	Metalaxyl	ND*	200	Pass
Bifenthrin	ND*	200	Pass	Myclobutanil	20	200	Pass
Boscalid	ND*	200	Pass	Paclobutrazol	ND*	200	Pass
Carbaryl	ND*	200	Pass	Permethrin	ND*	200	Pass
Dichlorvos	ND*	200	Pass	Spiromesifen	ND*	200	Pass
Etoxazole	ND*	200	Pass	Spirotetramat	ND*	200	Pass
Fenoxycarb	ND*	200	Pass	Tebuconazole	ND*	200	Pass
Imazalil	ND*	200	Pass	Trifloxystrobin	20	200	Pass

**Sum of Chem. Residues 40 PPB**

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\*\*\*Pass/Fail based on client limit selected.

