

Date: 3/23/15

9755 SW Commerce Circle Suite B-3  
Wilsonville, OR 97070  
503-625-6593

Peggy's 420 Garden

Terpene results for the sample received on 3/16/15.

Analysis by GC/MS (Mod 8270)

Sample Name:	Penny Wise			Batch QC	150026-BLK	Detection Limit
	Green					
Lab ID:	15C027-01			15C027-01dup		
alpha-Pinene	2.9			2.6	ND	0.2 mg/g
Camphene	ND			ND	ND	0.2 mg/g
beta-Pinene	1.4			1.1	ND	0.2 mg/g
beta-Myrcene	20.5			19.0	ND	0.2 mg/g
p-Cymene	ND			ND	ND	0.2 mg/g
Limonene	1.3			1.3	ND	0.2 mg/g
3-Carene	ND			ND	ND	0.2 mg/g
2-Carene	1.1			1.0	ND	0.2 mg/g
Eucalyptol	ND			ND	ND	0.2 mg/g
Linalool	0.4			0.3	ND	0.2 mg/g
cis-Ocimene	1.1			1.0	ND	0.2 mg/g
Borneol	ND			ND	ND	0.2 mg/g
Terpinen-4-ol	ND			ND	ND	0.2 mg/g
alpha-Terpineol	0.3			0.3	ND	0.2 mg/g
gamma-Terpineol	ND			ND	ND	0.2 mg/g
Methyl anthranilate	ND			ND	ND	0.2 mg/g
trans-Ocimene	ND			ND	ND	0.2 mg/g
?*unknown1	ND			ND	ND	0.2 mg/g
?*-2-Carene	ND			ND	ND	0.2 mg/g
Fenchol	ND			ND	ND	0.2 mg/g
?*-cis-2-Pinanol(v)	ND			ND	ND	0.2 mg/g
?*-Butanoic acid,hex es	ND			ND	ND	0.2 mg/g
?*Total Monoterpenes	34.0			33.0	ND	0.2 mg/g
Caryophyllene	1.2			1.0	ND	0.2 mg/g
Guaiol	0.7			0.8	ND	0.2 mg/g
alpha-Bisabolol	0.5			0.4	ND	0.2 mg/g
Phytol	0.5			0.7	ND	0.2 mg/g
cis-Nerolidol	ND			ND	ND	0.2 mg/g
trans-Nerolidol	ND			ND	ND	0.2 mg/g
Caryophyllene oxide	ND			ND	ND	0.2 mg/g
?**Germacrene B	ND			ND	ND	0.2 mg/g
?**beta-Caryophyllene	ND			ND	ND	0.2 mg/g
Humulene	0.5			0.5	ND	0.2 mg/g
?**alpha-Farnesene	0.4			0.4	ND	0.2 mg/g
?**2-Azulene	4.2			4.7	ND	0.2 mg/g
***/Total Sesquiterpenes	31.0			29.0	ND	0.2 mg/g
Water (% moisture)	7.4%			7.4%	NA	±0.2%
Surrogate % Recovery:	104%			99%	91%	d6-Phenol
Extraction Date:	3/19/15			3/19/15	3/19/15	
Analysis Date:	3/20/15			3/20/15	3/20/15	

NA = Not Applicable

ND = Not Detected

Detection Limit is based on the dry weight equivalent.

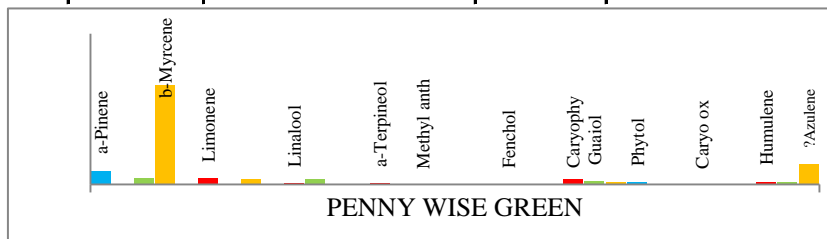
-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

\*Compound concentration is estimated based on linalool.

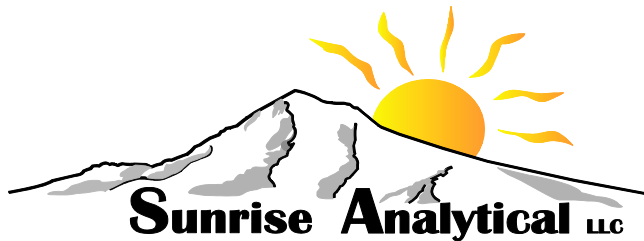
\*\*Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: Pat Marshall  
Sr. Chemist

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Cannabinoid results for the sample received on 3/16/15.

Analysis by GC/MS (Mod 8270)

Sample Name: Penny Wise		Batch QC		Detection Limit
Lab ID:	Green	15C027-01dup	150026-BLK	
THC	106	102	ND	0.2 mg/g
as THC	ND	ND	ND	0.2 mg/g
as THCA	120	115	ND	0.2 mg/g
CBD Cannabidiol	115	112	ND	0.2 mg/g
as CBD	ND	ND	ND	0.2 mg/g
as CBDA	130	127	ND	0.2 mg/g
CBN Cannabinol	0.4	0.4	ND	0.2 mg/g
*CBC1 Cannabichromene	ND	ND	ND	0.2 mg/g
*CBC2 Cannabichromene	ND	ND	ND	0.2 mg/g
*CBC3 Cannabichromene	ND	ND	ND	0.2 mg/g
CBC Cannabichromene	6.4	5.8	ND	0.2 mg/g
*THCV Tetrahydrocannabivarin	0.6	0.6	ND	0.2 mg/g
*CBG Cannabigerol	8	7	ND	0.2 mg/g
*CBDV Cannabidivanol	0.3	0.3	ND	0.2 mg/g
delta-8-THC	1.3	1.1	ND	0.2 mg/g
*?THC-C4	ND	ND	ND	0.2 mg/g
*CBP ?Cannabipat	0.6	0.5	ND	0.2 mg/g
*CB1 ?CBD-C1	ND	ND	ND	0.2 mg/g
*CB2 ?THC-C1	ND	ND	ND	0.2 mg/g
*CB3 ?Cannabi-three	ND	ND	ND	0.2 mg/g
*CB4 ?Cannabi-four	ND	ND	ND	0.2 mg/g
*CB5 ?Cannabi-five	ND	ND	ND	0.2 mg/g
*CB6 ?(Z)-CBG-C5	ND	ND	ND	0.2 mg/g
*CB7 ?Cannabi-seven	0.9	0.9	ND	0.2 mg/g
*CB8 ?Cannabi-eight	ND	ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.6	0.4	ND	0.2 mg/g
*CB10 ?Cannabi-ten	ND	ND	ND	0.2 mg/g
*Wax1 ?C29	0.4	0.3	ND	0.2 mg/g
*Wax2 ?C30	0.6	0.4	ND	0.2 mg/g
Water (% moisture)	7.4%	7.4%	NA	±0.2%
Surrogate % Recovery:	104%	99%	91%	d6-Phenol
Extraction Date:	3/19/15	3/19/15	3/19/15	
Analysis Date:	3/20/15	3/20/15	3/20/15	

NA = Not Applicable

ND = Not Detected

Batch QC - High RPD's, due to sample.

Detection Limit is based on the dry weight equivalent.

-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

\*Compound concentration is estimated based on CBC or CBD.

? Compound has not been verified.

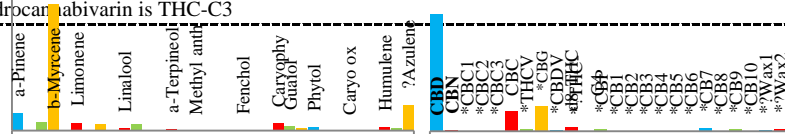
NOTE: THCV Tetrahydrocannabivarin is THC-C3

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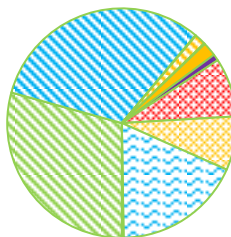
Date: 3/23/15

## PENNY WISE GREEN

Analysis Date: 3/20/15



THC	10.6%
as THC	0.00%
as THCA	12.0%
CBD	11.5%
as CBD	0.00%
as CBDA	13.0%
CBN	0.04%
total CBC	0.64%
THCV*	0.06%
CBG*	0.8%

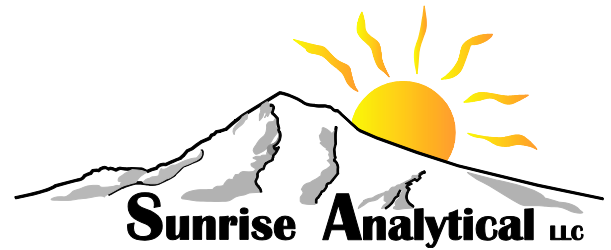


Wax	0%
Other CB's	0.3%
Monoterpenes	3.4%
Sesquiterpenes	3.1%
Water	7.4%

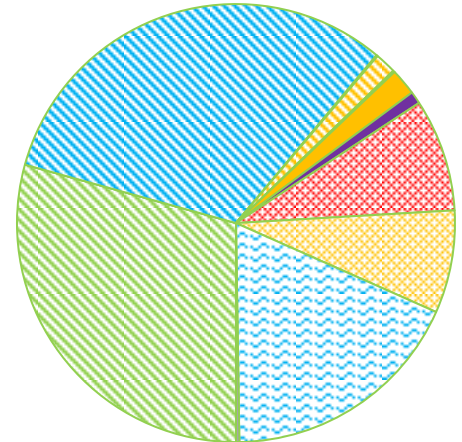


# PENNY WISE GREEN

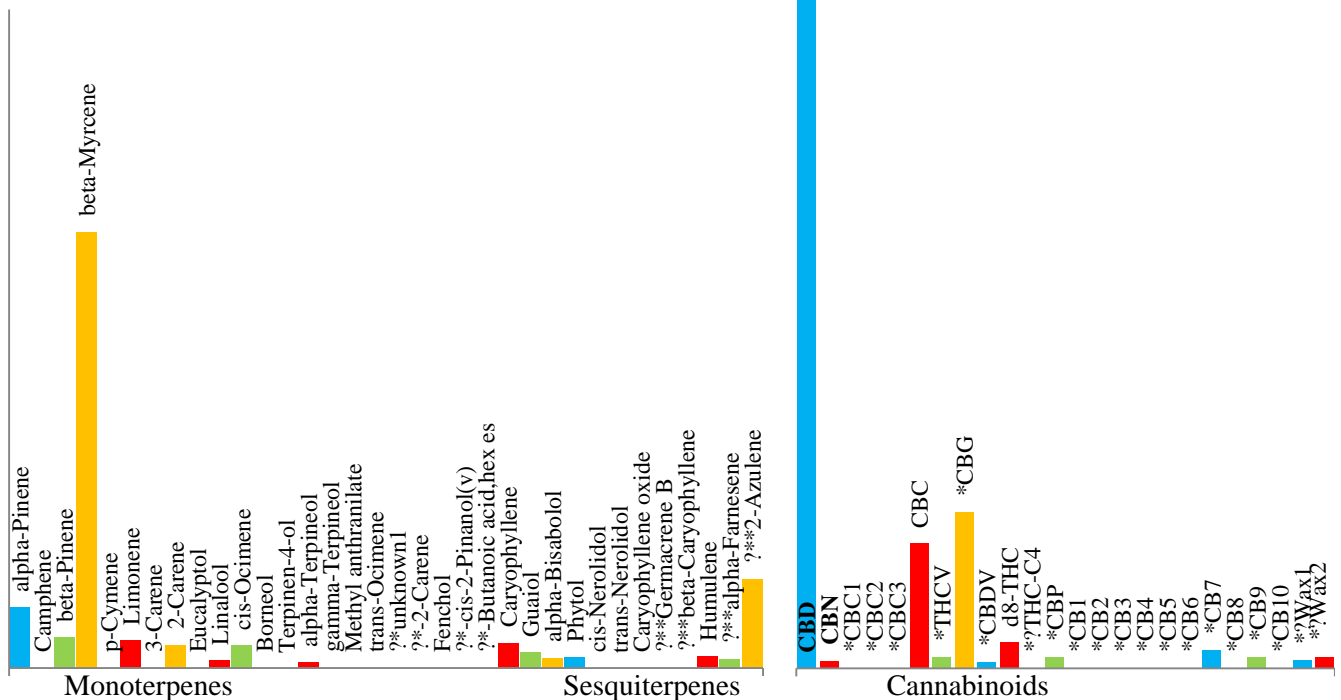
Analysis Date: 3/20/15  
UV/Vis Inspection:  
Method 8270:



<b>THC</b>	<b>10.6%</b>
as THC	0.00%
as THCA	12.0%
<b>CBD</b>	<b>11.5%</b>
as CBD	0.00%
as CBDA	13.0%
<b>CBN</b>	<b>0.04%</b>
total CBC	0.64%
THCV	0.06%
CBG	0.8%
Other CB's	0.3%
Monoterpenes	3.4%
Sesquiterpenes	3.1%
Water	7.4%
Wax	0%



Pie Chart based on Total Extractables



Strain Match	
88% CHARLOTTE'S WEB	
85% PURPLE KUSH	
85% AK-47	
84% ROYAL PURPLE KUSH	
84% BLACKBERRY	

From Lab ID	
14F008-02	
14A030-02	
14B026-02	
14B011-03	
14A005-03	

Notes:

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