

Date: 4/16/15

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

Peggy's 420 Garden

Terpene results for the sample received on 4/7/15.

Analysis by GC/MS (Mod 8270)

Sample Name: Lab ID:	Pennywise White			Batch QC		Batch QC 15D008-05dup	150035-BLK	Detection Limit
	15D010-01			15D008-05				
alpha-Pinene	1.3			0.3		0.4	ND	0.2 mg/g
Camphene	ND			ND		ND	ND	0.2 mg/g
beta-Pinene	0.8			0.7		0.6	ND	0.2 mg/g
beta-Myrcene	10.9			4.7		4.5	ND	0.2 mg/g
p-Cymene	ND			ND		ND	ND	0.2 mg/g
Limonene	1.0			5.3		5.5	ND	0.2 mg/g
3-Carene	ND			ND		ND	ND	0.2 mg/g
2-Carene	0.6			ND		ND	ND	0.2 mg/g
Eucalyptol	ND			ND		ND	ND	0.2 mg/g
Linalool	0.7			3.5		3.4	ND	0.2 mg/g
cis-Ocimene	0.6			ND		ND	ND	0.2 mg/g
Borneol	ND			ND		ND	ND	0.2 mg/g
Terpinen-4-ol	ND			ND		ND	ND	0.2 mg/g
alpha-Terpineol	0.2			0.4		0.4	ND	0.2 mg/g
gamma-Terpineol	ND			ND		ND	ND	0.2 mg/g
Methyl anthranilate	ND			ND		ND	ND	0.2 mg/g
trans-Ocimene	ND			ND		ND	ND	0.2 mg/g
?*unknown1	ND			ND		ND	ND	0.2 mg/g
?*-2-Carene	ND			ND		ND	ND	0.2 mg/g
Fenchol	ND			0.4		0.4	ND	0.2 mg/g
?*-cis-2-Pinanol(v)	ND			0.3		0.3	ND	0.2 mg/g
?*-Butanoic acid,hex es	ND			ND		ND	ND	0.2 mg/g
?*Total Monoterpenes	19.0			19.0		19.0	ND	0.2 mg/g
Caryophyllene	0.6			3.5		3.6	ND	0.2 mg/g
Guaiol	0.4			ND		ND	ND	0.2 mg/g
alpha-Bisabolol	0.4			0.5		0.5	ND	0.2 mg/g
Phytol	0.7			1.0		0.9	ND	0.2 mg/g
cis-Nerolidol	ND			ND		ND	ND	0.2 mg/g
trans-Nerolidol	ND			ND		ND	ND	0.2 mg/g
Caryophyllene oxide	ND			0.2		0.2	ND	0.2 mg/g
?**Germacrene B	ND			0.8		0.9	ND	0.2 mg/g
?**beta-Caryophyllene	ND			ND		ND	ND	0.2 mg/g
Humulene	0.3			2.2		2.2	ND	0.2 mg/g
?**alpha-Farnesene	ND			ND		ND	ND	0.2 mg/g
?**2-Azulene	0.8			1.1		1.4	ND	0.2 mg/g
***/Total Sesquiterpenes	12.0			29.0		27.0	ND	0.2 mg/g
Water (% moisture)	5.5%			6.6%		6.6%	NA	±0.2%
Surrogate % Recovery:	95%			77%		79%	87%	d6-Phenol
Extraction Date:	4/13/15			4/10/15		4/10/15	4/13/15	
Analysis Date:	4/15/15			4/13/15		4/12/15	4/14/15	

NA = Not Applicable

ND = Not Detected

Detection Limit is based on the dry weight equivalent.

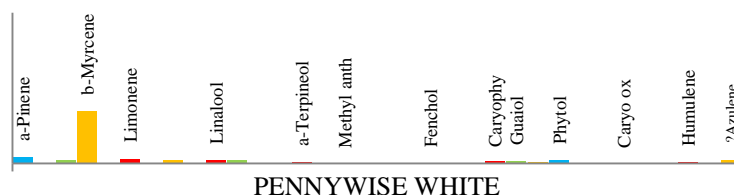
-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

\*Compound concentration is estimated based on linalool.

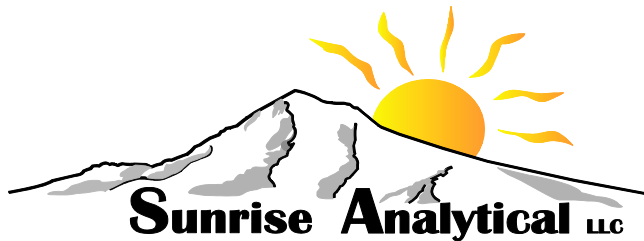
\*\*Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: *Pat Marshall*  
Sr. Chemist

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Peggy's 420 Garden

Cannabinoid results for the sample received on 4/7/15.

Analysis by GC/MS (Mod 8270)

Sample Name:	Pennywise		Batch QC	Batch QC		Detection Limit
	White			15D008-05	15D008-05dup	
Lab ID:	15D010-01				150035-BLK	
THC	83.5		238	234	ND	0.2 mg/g
as THC	ND		ND	ND	ND	0.2 mg/g
as THCA	94.4		269	264	ND	0.2 mg/g
CBD Cannabidiol	95.6		0.6	0.6	ND	0.2 mg/g
as CBD	ND		ND	ND	ND	0.2 mg/g
as CBDA	108		0.7	0.7	ND	0.2 mg/g
CBN Cannabinol	0.5		0.5	0.5	ND	0.2 mg/g
*CBC1 Cannabichromene	ND		ND	ND	ND	0.2 mg/g
*CBC2 Cannabichromene	ND		ND	ND	ND	0.2 mg/g
*CBC3 Cannabichromene	ND		ND	ND	ND	0.2 mg/g
CBC Cannabichromene	6.0		4.8	5.1	ND	0.2 mg/g
*THCV Tetrahydrocannabivarin	0.6		0.5	0.5	ND	0.2 mg/g
*CBG Cannabigerol	5		5	5	ND	0.2 mg/g
*CBDV Cannabidivarinol	0.3		ND	ND	ND	0.2 mg/g
delta-8-THC	1.1		ND	ND	ND	0.2 mg/g
*?THC-C4	ND		0.6	0.6	ND	0.2 mg/g
*CBP ?Cannabipat	0.7		0.4	0.4	ND	0.2 mg/g
*CB1 ?CBD-C1	ND		ND	ND	ND	0.2 mg/g
*CB2 ?THC-C1	ND		0.2	ND	ND	0.2 mg/g
*CB3 ?Cannabi-three	ND		0.3	0.3	ND	0.2 mg/g
*CB4 ?Cannabi-four	ND		1.7	1.5	ND	0.2 mg/g
*CB5 ?Cannabi-five	ND		0.2	ND	ND	0.2 mg/g
*CB6 ?(Z)-CBG-C5	ND		ND	ND	ND	0.2 mg/g
*CB7 ?Cannabi-seven	0.7		ND	ND	ND	0.2 mg/g
*CB8 ?Cannabi-eight	ND		ND	ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.4		0.4	0.3	ND	0.2 mg/g
*CB10 ?Cannabi-ten	ND		ND	ND	ND	0.2 mg/g
*Wax1 ?C29	0.5		ND	ND	ND	0.2 mg/g
*Wax2 ?C30	0.3		0.4	0.3	ND	0.2 mg/g
Water (% moisture)	5.5%		6.6%	6.6%	NA	±0.2%
Surrogate % Recovery:	95%		77%	79%	87%	d6-Phenol
Extraction Date:	4/13/15		4/10/15	4/10/15	4/13/15	
Analysis Date:	4/15/15		4/13/15	4/12/15	4/14/15	

NA = Not Applicable

ND = Not Detected

Batch QC - From a previous batch.

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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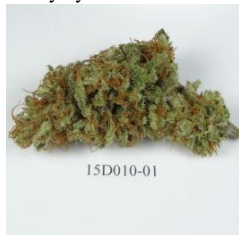
Date: 4/16/15

## PENNYWISE WHITE

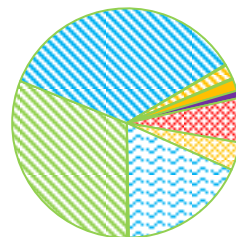
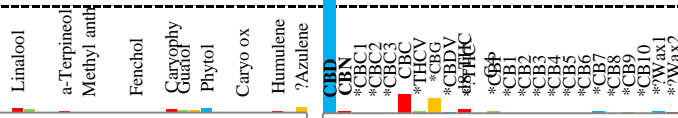
Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

Potency by Method 8270



THC	8.35%
as THC	0.00%
as THCA	9.44%
CBD	9.56%
as CBD	0.00%
as CBDA	10.8%
CBN	0.05%
total CBC	0.60%
THCV*	0.06%
CBG*	0.5%



Wax	0%
Other CB's	0.3%
Monoterpenes	1.9%
Sesquiterpenes	1.2%
Water	5.5%



# PENNYWISE WHITE

Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

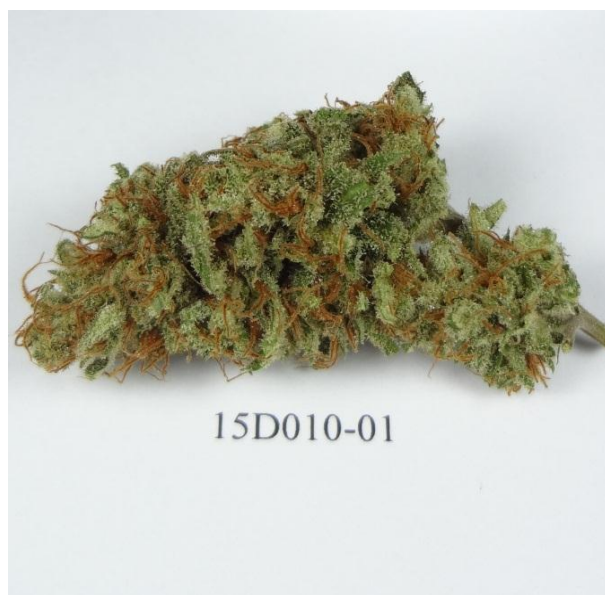
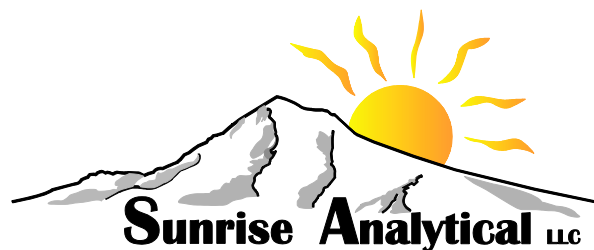
Potency by Method 8270

Analysis Date

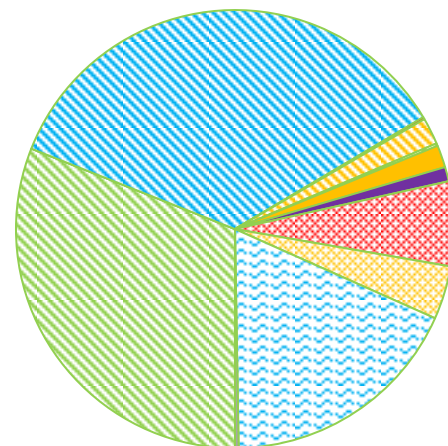
4/10/15

4/13/15

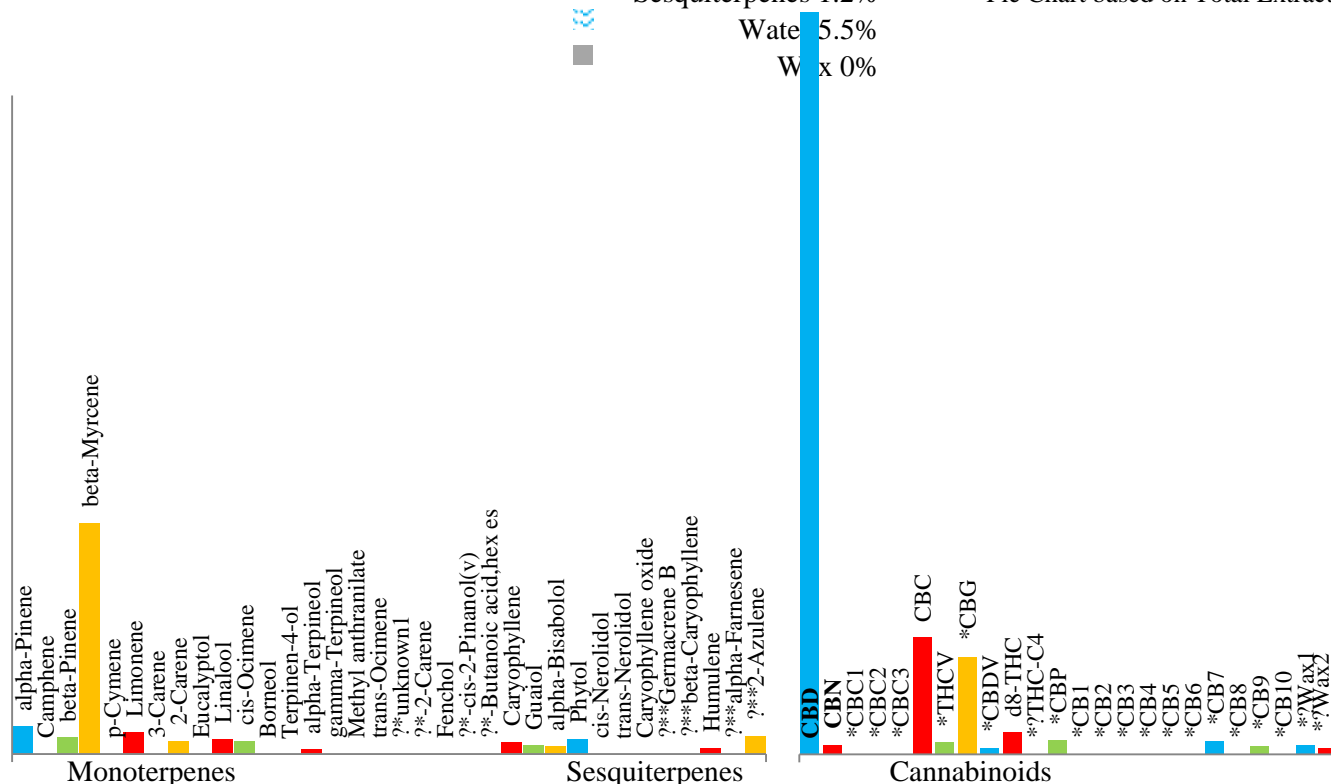
4/15/15



<b>THC</b>	<b>8.35%</b>
as THC	0.00%
as THCA	9.44%
<b>CBD</b>	<b>9.56%</b>
as CBD	0.00%
as CBDA	10.8%
<b>CBN</b>	<b>0.05%</b>
total CBC	0.60%
THCV	0.06%
CBG	0.5%
Other CB's	0.3%
Monoterpenes	1.9%
Sesquiterpenes	1.2%
Water	5.5%
Wax	0%



Pie Chart based on Total Extractables



## Strain Match

92% CHARLOTTE'S WEB  
90% AK-47  
90% JILLY BEAN  
90% LA CONFIDENTIAL  
90% BLACK BETTY

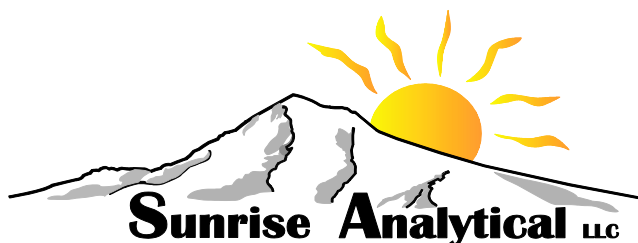
## From Lab ID

14F008-02  
14B026-02  
14A010-04  
14A043-02  
14D019-01

Notes:

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Mold and Pesticide results for the sample received on 4/7/15.

Mold by AOAC BAM

Pesticides by GC/MS (Mod 8270)

		Pennywise					
Sample Name:		White			Batch QC	Batch QC	
Lab ID:		15D010-01			15D008-02	15D008-02dup	150035m-BLK
Mold / Mildew		Petri #1	500		0	0	0
							10000 cfu
Analysis Date:			4/10/15		4/10/15	4/10/15	4/10/15
Result			PASS				

		Pennywise					
Sample Name:		White			Batch QC		
Lab ID:		15D010-01			150035p-BS	150035p-BLK	Detection Limit
Pesticides							
Chlorinated (29)			ND		Found	ND	0.1 ppm
Nitrogen/Phosphorous (86)			ND		Found	ND	0.1 ppm
Carbamate (12)			ND		Found	ND	0.1 ppm
Pyrethrins (12)			ND		ND	ND	0.1 ppm
Water (% moisture)			5.5%		NA	NA	±0.2%
Surrogate % Recovery:			91%		129%	92%	d6-Phenol
Extraction Date:			4/13/15		4/13/15	4/13/15	
Analysis Date:			4/13/15		4/13/15	4/13/15	
Result			PASS				

#### Notes:

NA = Not Applicable

ND = Not Detected

Detection Limit is based on as received basis.

Detection Limit is higher for some pesticides, due to the matrix.

-BLK = The method blank associated with this batch.

-BS = The blank spike associated with this batch.

-MS = The matrix spike associated with this batch.

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