

Date: 5/15/15

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

Peggy's 420 Garden

Terpene results for the sample received on 5/7/15.

Analysis by GC/MS (Mod 8270)

Sample Name: Lab ID:	Pennywise			Batch QC	Batch QC		
	White			15E016-10	15E016-10dup	150048-BLK	Detection Limit
alpha-Pinene	1.6			1.3	1.2	ND	0.2 mg/g
Camphene	ND			ND	ND	ND	0.2 mg/g
beta-Pinene	1.0			1.5	1.4	ND	0.2 mg/g
beta-Myrcene	13.5			7.5	7.9	ND	0.2 mg/g
p-Cymene	ND			ND	ND	ND	0.2 mg/g
Limonene	1.3			5.6	6.0	ND	0.2 mg/g
3-Carene	ND			ND	ND	ND	0.2 mg/g
2-Carene	0.6			1.7	1.7	ND	0.2 mg/g
Eucalyptol	ND			ND	ND	ND	0.2 mg/g
Linalool	0.8			0.6	0.6	ND	0.2 mg/g
cis-Ocimene	0.8			1.8	1.9	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	0.3			0.6	0.7	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			1.0	1.1	ND	0.2 mg/g
?*unknown1	ND			0.2	ND	ND	0.2 mg/g
?*-2-Carene	2.2			9.1	9.6	ND	0.2 mg/g
Fenchol	ND			0.4	0.4	ND	0.2 mg/g
?*-cis-2-Pinanol(v)	ND			0.4	0.4	ND	0.2 mg/g
?*-Butanoic acid,hex es	ND			ND	ND	ND	0.2 mg/g
?*Total Monoterpenes	25.0			39.0	41.0	ND	0.2 mg/g
Caryophyllene	0.5			3.2	2.8	ND	0.2 mg/g
Guaiol	0.4			0.9	0.9	ND	0.2 mg/g
alpha-Bisabolol	0.5			0.3	0.3	ND	0.2 mg/g
Phytol	1.3			1.5	1.3	ND	0.2 mg/g
cis-Nerolidol	ND			ND	ND	ND	0.2 mg/g
trans-Nerolidol	ND			0.3	0.3	ND	0.2 mg/g
Caryophyllene oxide	ND			ND	ND	ND	0.2 mg/g
?**Germacrene B	ND			0.5	0.4	ND	0.2 mg/g
?**beta-Caryophyllene	ND			1.2	1.1	ND	0.2 mg/g
Humulene	0.3			1.7	1.4	ND	0.2 mg/g
?**alpha-Farnesene	ND			ND	ND	ND	0.2 mg/g
?**2-Azulene	0.7			1.4	1.2	ND	0.2 mg/g
***/Total Sesquiterpenes	36.0			56.0	55.0	ND	0.2 mg/g
Water (% moisture)	9.7%			43.2%	43.2%	NA	±0.2%
Surrogate % Recovery:	0%			94%	98%	106%	d6-Phenol
Extraction Date:	5/8/15			5/8/15	5/8/15	5/8/15	
Analysis Date:	5/14/15			5/14/15	5/14/15	5/14/15	

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.

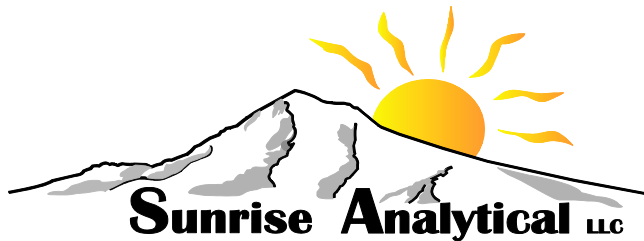
\*\*Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: *Pat Marshall*  
Sr. Chemist

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Cannabinoid results for the sample received on 5/7/15.

Analysis by GC/MS (Mod 8270)

Sample Name:	Pennywise		Batch QC	Batch QC		Detection Limit
	White			15E016-10	15E016-10dup	
Lab ID:	15E014-01				150048-BLK	
THC	96		219	211	ND	0.2 mg/g
as THC	ND		ND	ND	ND	0.2 mg/g
as THCA	109		247	238	ND	0.2 mg/g
CBD Cannabidiol	114		0.7	0.5	ND	0.2 mg/g
as CBD	ND		ND	ND	ND	0.2 mg/g
as CBDA	129		0.7	0.6	ND	0.2 mg/g
CBN Cannabinol	0.7		0.7	0.6	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	8.0		4.0	3.2	ND	0.2 mg/g
*THCV Tetrahydrocannabivarin	1.2		2.0	1.9	ND	0.2 mg/g
*CBG Cannabigerol	6		5	4	ND	0.2 mg/g
*CBDV Cannabidivarinol	0.5		ND	ND	ND	0.2 mg/g
delta-8-THC	1.4		ND	ND	ND	0.2 mg/g
*?THC-C4	ND		0.4	0.4	ND	0.2 mg/g
*CBP ?Cannabipat	1.3		1.4	1.7	ND	0.2 mg/g
*CB1 ?CBD-C1	ND		ND	ND	ND	0.2 mg/g
*CB2 ?THC-C1	0.3		0.2	0.3	ND	0.2 mg/g
*CB3 ?Cannabi-three	ND		ND	ND	ND	0.2 mg/g
*CB4 ?Cannabi-four	ND		0.3	0.4	ND	0.2 mg/g
*CB5 ?Cannabi-five	ND		ND	ND	ND	0.2 mg/g
*CB6 ?(Z)-CBG-C5	ND		ND	ND	ND	0.2 mg/g
*CB7 ?Cannabi-seven	0.8		ND	ND	ND	0.2 mg/g
*CB8 ?Cannabi-eight	ND		ND	ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.3		0.3	0.3	ND	0.2 mg/g
*CB10 ?Cannabi-ten	ND		ND	ND	ND	0.2 mg/g
*Wax1 ?C29	0.7		0.2	0.4	ND	0.2 mg/g
*Wax2 ?C30	0.3		0.3	0.3	ND	0.2 mg/g
Water (% moisture)	9.7%		43.2%	43.2%	NA	±0.2%
Surrogate % Recovery:	0%		94%	98%	106%	d6-Phenol
Extraction Date:	5/8/15		5/8/15	5/8/15	5/8/15	
Analysis Date:	5/14/15		5/14/15	5/14/15	5/14/15	

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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## PENNYWISE WHITE

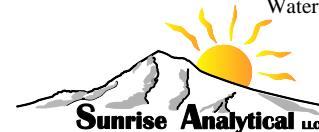
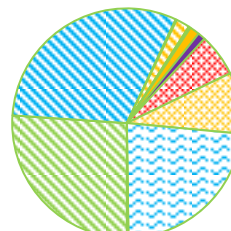
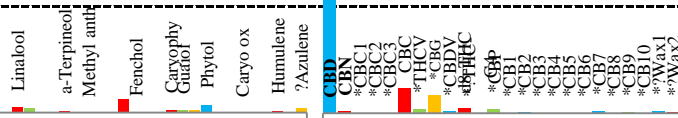
Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

Potency by Method 8270



THC	9.61%
as THC	0.00%
as THCA	10.9%
CBD	11.4%
as CBD	0.00%
as CBDA	12.9%
CBN	0.07%
total CBC	0.80%
THCV*	0.12%
CBG*	0.6%



# PENNYWISE WHITE

Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

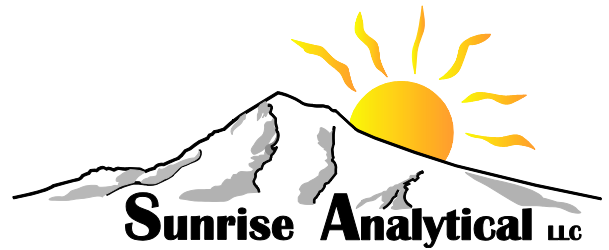
Potency by Method 8270

Analysis Date

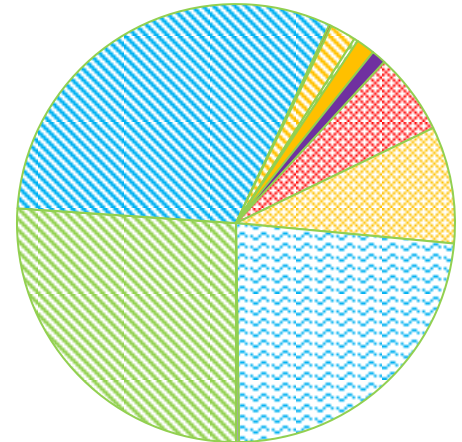
5/8/15

5/11/15

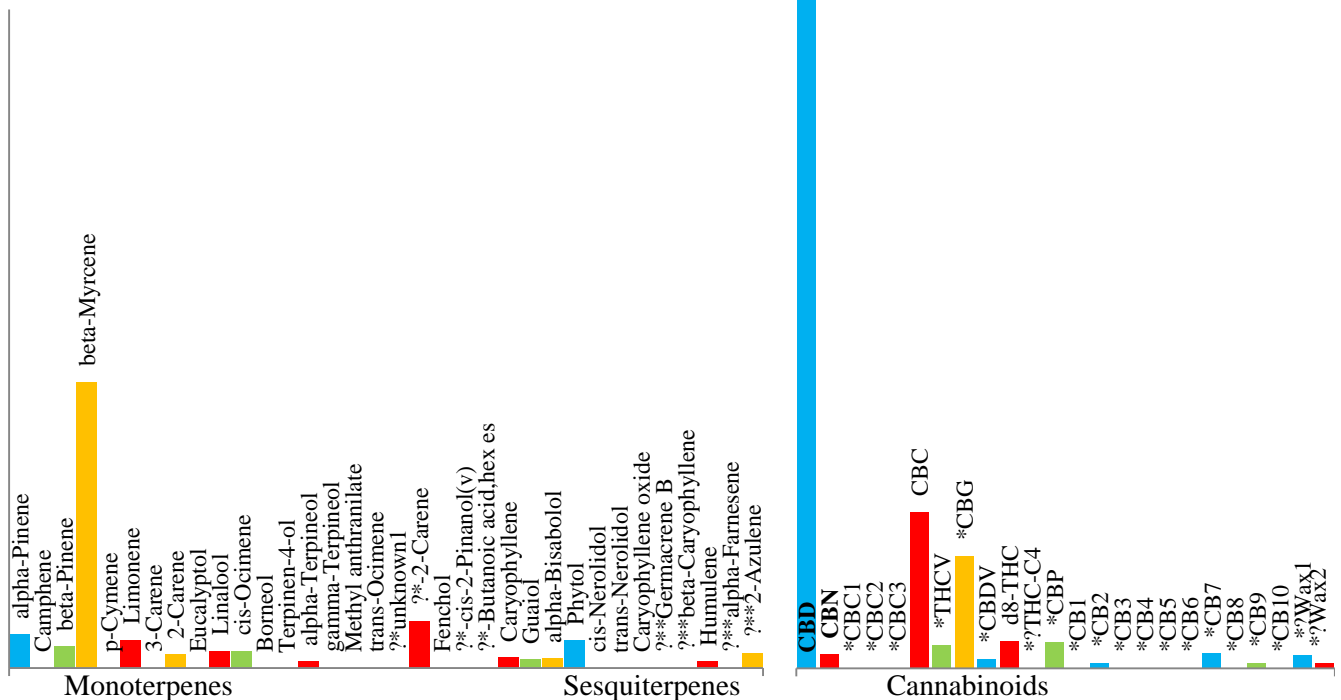
5/14/15



<b>THC</b>	<b>9.61%</b>
as THC	0.00%
as THCA	10.9%
<b>CBD</b>	<b>11.4%</b>
as CBD	0.00%
as CBDA	12.9%
<b>CBN</b>	<b>0.07%</b>
total CBC	0.80%
THCV	0.12%
CBG	0.6%
Other CB's	0.4%
Monoterpenes	2.5%
Sesquiterpenes	3.6%
Water	9.7%
Wax	0%



Pie Chart based on Total Extractables



## Strain Match

91% CHERNOBYL  
91% PENNYWISE  
91% ACE OF SPADES  
90% ORANGE CRUSH  
89% HARLEQUIN TSU

## From Lab ID

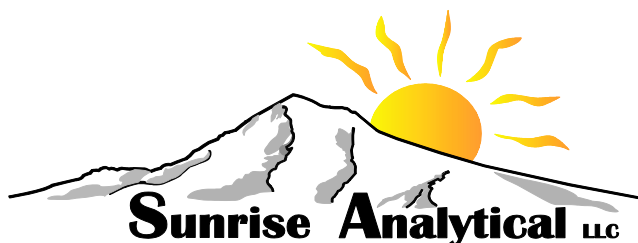
14A010-03  
14A040-06  
14A035-01  
14B041-05  
14A001-03

Notes:

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Mold and Pesticide results for the sample received on 5/7/15.

Mold by AOAC BAM

Pesticides by GC/MS (Mod 8270)

		Pennywise					
Sample Name:		White			Batch QC	Batch QC	
Lab ID:		15E014-01			15E016-01	15E016-01 dup	150048m-BLK
Mold / Mildew	Petri #1	500			0	0	0
							10000 cfu
Analysis Date:		5/8/15			5/8/15	5/8/15	5/8/15
Result		PASS					

		Pennywise					
Sample Name:		White			Batch QC		
Lab ID:		15E014-01			150048p-BS	150048p-BLK	Detection Limit
Pesticides		ND			Found	ND	0.1 ppm
Chlorinated (29)		ND			Found	ND	0.1 ppm
Nitrogen/Phosphorous (86)		ND			Found	ND	0.1 ppm
Carbamate (12)		ND			ND	ND	0.1 ppm
Pyrethrins (12)		ND					
Water (% moisture)		9.7%			NA	NA	±0.2%
Surrogate % Recovery:		62%			114%	85%	d6-Phenol
Extraction Date:		5/11/15			5/11/15	5/11/15	
Analysis Date:		5/11/15			5/11/15	5/11/15	
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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