

Date: 12/31/14

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

Peggy's Garden LLC

Terpene results for the sample received on 12/18/14. Analysis by GC/MS (Mod 8270)

Sample Name:	Cannatonic		Batch QC	Batch QC	Batch QC	Detection Limit
	Green					
Lab ID:	14L041-01		14L039-01	14L039-01dup	140140-BLK	
alpha-Pinene	1.9		3.8	4.0	ND	0.2 mg/g
Camphene	ND		ND	ND	ND	0.2 mg/g
beta-Pinene	0.4		1.6	1.7	ND	0.2 mg/g
beta-Myrcene	12.8		8.5	7.7	ND	0.2 mg/g
p-Cymene	ND		ND	ND	ND	0.2 mg/g
Limonene	1.0		3.1	2.9	ND	0.2 mg/g
3-Carene	ND		ND	ND	ND	0.2 mg/g
2-Carene	ND		ND	ND	ND	0.2 mg/g
Eucalyptol	ND		ND	ND	ND	0.2 mg/g
Linalool	0.2		0.5	0.4	ND	0.2 mg/g
cis-Ocimene	ND		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	ND		0.2	0.2	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		1.2	1.1	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	0.2		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	0.7		ND	ND	ND	0.2 mg/g
?*Total Monoterpenes	21.0		22.0	21.0	ND	0.2 mg/g
Caryophyllene	0.5		1.4	1.3	ND	0.2 mg/g
Guaiol	0.6		ND	ND	ND	0.2 mg/g
alpha-Bisabolol	1.0		0.7	0.6	ND	0.2 mg/g
Phytol	0.6		0.7	0.6	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		ND	ND	ND	0.2 mg/g
?**Germacrene B	ND		ND	ND	ND	0.2 mg/g
?**beta-Caryophyllene	ND		ND	ND	ND	0.2 mg/g
Humulene	0.3		0.8	0.8	ND	0.2 mg/g
?**alpha-Farnesene	ND		ND	ND	ND	0.2 mg/g
?**2-Azulene	ND		0.2	0.2	ND	0.2 mg/g
***/Total Sesquiterpenes	19.0		16.0	16.0	ND	0.2 mg/g
Water (% moisture)	6.2%		5.9%	5.9%	NA	±0.2%
Surrogate % Recovery:	90%		96%	98%	91%	d6-Phenol
Extraction Date:	12/23/14		12/23/14	12/23/14	12/23/14	
Analysis Date:	12/24/14		12/23/14	12/23/14	12/23/14	

NA = Not Applicable

ND = Not Detected

Detection Limit is based on the dry weight equivalent.

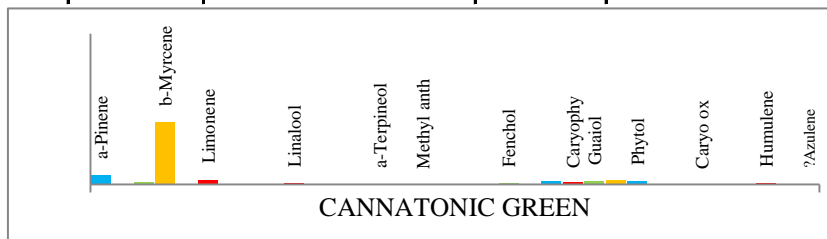
-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

\*Compound concentration is estimated based on linalool.

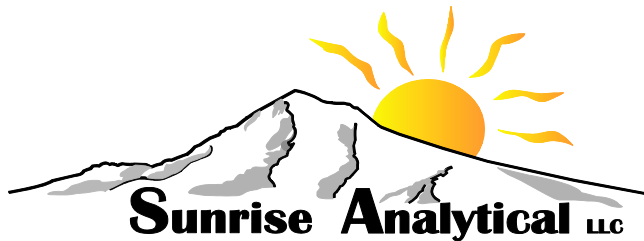
\*\*Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: Pat Marshall  
Sr. Chemist

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Cannabinoid results for the sample received on 12/18/14.

Analysis by GC/MS (Mod 8270)

Sample Name: Lab ID:	Cannatonic			Batch QC		Detection Limit
	Green			14L039-01	14L039-01 dup	
THC	73.3			249	231	0.2 mg/g
as THC	ND			ND	ND	0.2 mg/g
as THCA	82.8			281	261	0.2 mg/g
CBD Cannabidiol	111			0.6	0.6	0.2 mg/g
as CBD	ND			ND	ND	0.2 mg/g
as CBDA	125			0.7	0.7	0.2 mg/g
CBN Cannabinol	0.4			1.2	1.2	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	7.2			8.6	7.9	0.2 mg/g
*THCV Tetrahydrocannabivarin	0.6			1.1	1.0	0.2 mg/g
*CBG Cannabigerol	4			14	13	0.2 mg/g
*CBDV Cannabidivarinol	0.2			ND	ND	0.2 mg/g
delta-8-THC	0.7			ND	ND	0.2 mg/g
*?THC-C4	ND			0.3	0.4	0.2 mg/g
*CBP ?Cannabipat	0.8			0.6	0.7	0.2 mg/g
*CB1 ?CBD-C1	ND			ND	ND	0.2 mg/g
*CB2 ?THC-C1	ND			ND	0.2	0.2 mg/g
*CB3 ?Cannabi-three	ND			ND	ND	0.2 mg/g
*CB4 ?Cannabi-four	0.6			0.8	0.7	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	0.7			ND	ND	0.2 mg/g
*CB8 ?Cannabi-eight	ND			ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.3			0.5	0.5	0.2 mg/g
*CB10 ?Cannabi-ten	ND			ND	ND	0.2 mg/g
*Wax1 ?C29	0.4			0.3	0.3	0.2 mg/g
*Wax2 ?C30	ND			0.4	0.3	0.2 mg/g
Water (% moisture)	6.2%			5.9%	5.9%	NA ±0.2%
Surrogate % Recovery:	90%			96%	98%	91% d6-Phenol
Extraction Date:	12/23/14			12/23/14	12/23/14	12/23/14
Analysis Date:	12/24/14			12/23/14	12/23/14	12/23/14

NA = Not Applicable

ND = Not Detected

Batch QC - Performed on a flower 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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Sr. Chemist

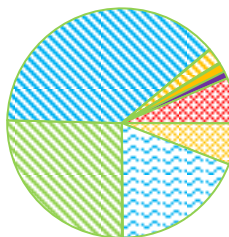
Date: 12/31/14

## CANNATONIC GREEN

Analysis Date: 12/24/14



THC	7.33%
as THC	0.00%
as THCA	8.28%
CBD	11.1%
as CBD	0.00%
as CBDA	12.5%
CBN	0.04%
total CBC	0.72%
THCV*	0.06%
CBG*	0.4%

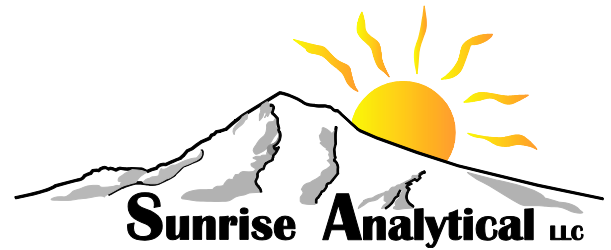


Wax	0%
Other CB's	0.3%
Monoterpenes	2.1%
Sesquiterpenes	1.9%
Water	6.2%

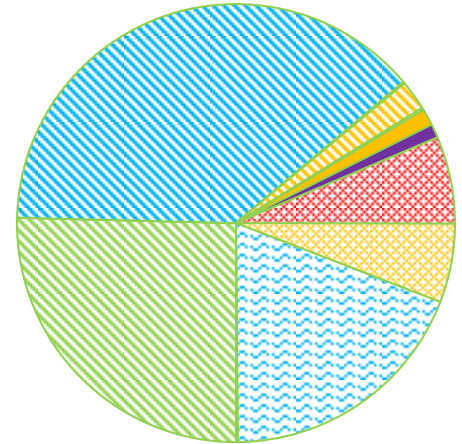


# CANNATONIC GREEN

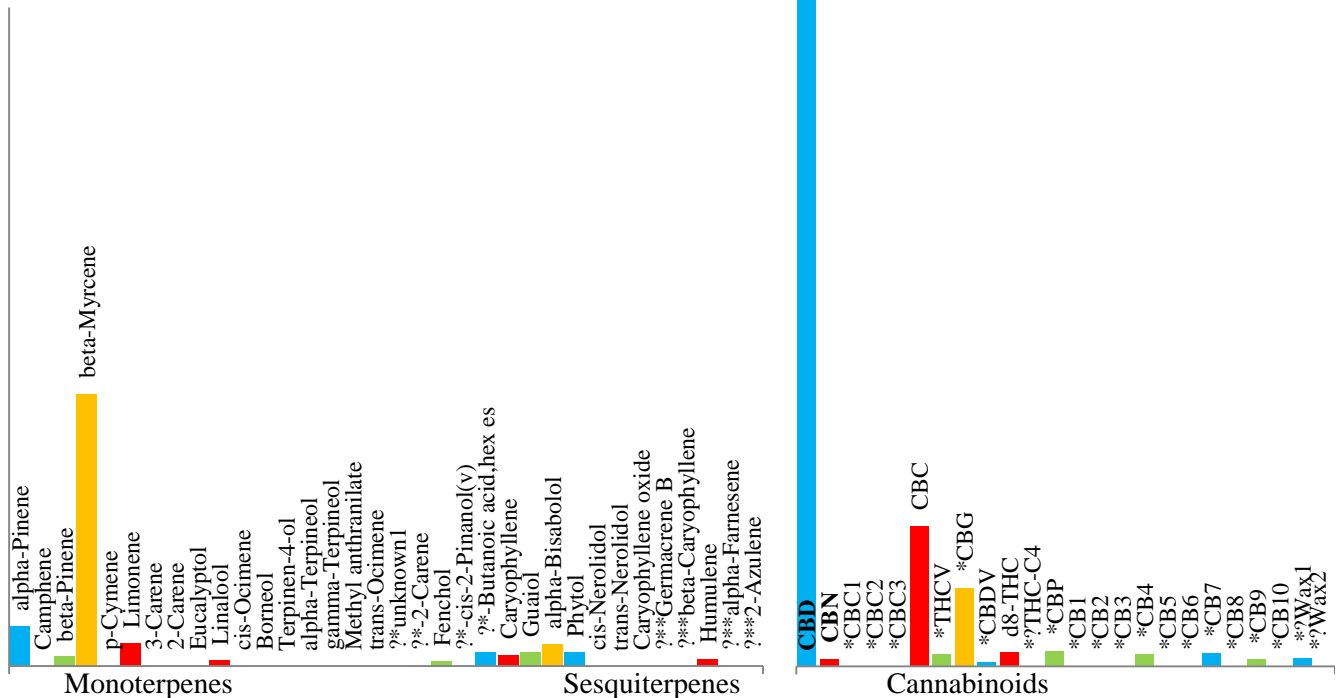
Analysis Date: 12/24/14  
UV/Vis Inspection:  
Method 8270:



<b>THC</b>	<b>7.33%</b>
as THC	0.00%
as THCA	8.28%
<b>CBD</b>	<b>11.1%</b>
as CBD	0.00%
as CBDA	12.5%
<b>CBN</b>	<b>0.04%</b>
total CBC	0.72%
THCV	0.06%
CBG	0.4%
Other CB's	0.3%
Monoterpenes	2.1%
Sesquiterpenes	1.9%
Water	6.2%
Wax	0%



Pie Chart based on Total Extractables



Strain Match  
97% AC/DC  
87% CANNATONIC  
85% FLAV  
84% HURCKLE  
81% HARLEQUIN

From Lab ID  
14A036-03  
14A023-06  
14B033-03  
14D010-01  
14A014-02

Notes:

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