

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:	Cannatonic Green			Batch QC		Batch QC	150035-BLK	Detection Limit
	15D010-02			15D008-05	15D008-05dup			
alpha-Pinene	2.1			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	20.5			4.7	4.5	ND		0.2 mg/g
p-Cymene	ND			ND	ND	ND		0.2 mg/g
Limonene	1.9			5.3	5.5	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	0.4			3.5	3.4	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			0.4	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	0.3			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	1.4			ND	ND	ND		0.2 mg/g
?*Total Monoterpenes	31.0			19.0	19.0	ND		0.2 mg/g
Caryophyllene	0.9			3.5	3.6	ND		0.2 mg/g
Guaiol	0.8			ND	ND	ND		0.2 mg/g
alpha-Bisabolol	1.3			0.5	0.5	ND		0.2 mg/g
Phytol	0.9			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	0.5			2.2	2.2	ND		0.2 mg/g
?**alpha-Farnesene	ND			ND	ND	ND		0.2 mg/g
?**2-Azulene	ND			1.1	1.4	ND		0.2 mg/g
***/Total Sesquiterpenes	22.0			29.0	27.0	ND		0.2 mg/g
Water (% moisture)	6.7%			6.6%	6.6%	NA	±0.2%	
Surrogate % Recovery:	98%			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.

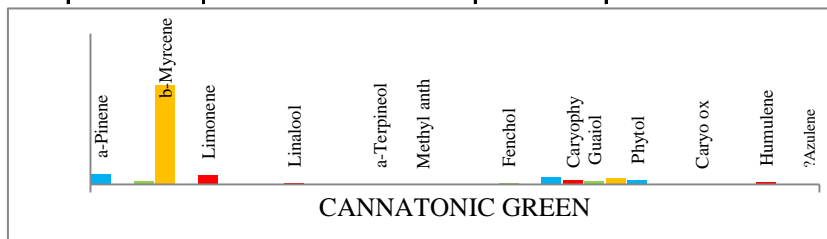
-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

\*Compound concentration is estimated based on linalool.

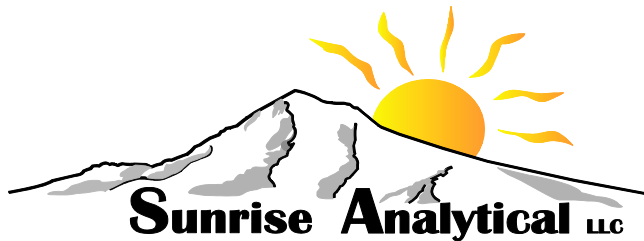
\*\*Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: Pat Marshall  
Sr. Chemist

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

Analysis by GC/MS (Mod 8270)

Sample Name: Lab ID:	Cannatonic Green		Batch QC 15D008-05	Batch QC 15D008-05dup	150035-BLK	Detection Limit
	15D010-02					
THC	114		238	234	ND	0.2 mg/g
as THC	ND		ND	ND	ND	0.2 mg/g
as THCA	129		269	264	ND	0.2 mg/g
CBD Cannabidiol	129		0.6	0.6	ND	0.2 mg/g
as CBD	ND		ND	ND	ND	0.2 mg/g
as CBDA	146		0.7	0.7	ND	0.2 mg/g
CBN Cannabinol	0.8		0.5	0.5	ND	0.2 mg/g
*CBC1 Cannabichromene	ND		ND	ND	ND	0.2 mg/g
*CBC2 Cannabichromene	0.3		ND	ND	ND	0.2 mg/g
*CBC3 Cannabichromene	0.2		ND	ND	ND	0.2 mg/g
CBC Cannabichromene	10.9		4.8	5.1	ND	0.2 mg/g
*THCV Tetrahydrocannabivarin	0.9		0.5	0.5	ND	0.2 mg/g
*CBG Cannabigerol	5		5	5	ND	0.2 mg/g
*CBDV Cannabidivarinol	0.4		ND	ND	ND	0.2 mg/g
delta-8-THC	1.2		ND	ND	ND	0.2 mg/g
*?THC-C4	ND		0.6	0.6	ND	0.2 mg/g
*CBP ?Cannabipat	1.1		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	0.2		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	1.1		ND	ND	ND	0.2 mg/g
*CB8 ?Cannabi-eight	0.5		ND	ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.5		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	0.5		0.4	0.3	ND	0.2 mg/g
Water (% moisture)	6.7%		6.6%	6.6%	NA	±0.2%
Surrogate % Recovery:	98%		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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## CANNATONIC GREEN

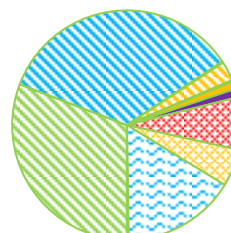
Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

Potency by Method 8270



THC	11.4%
as THC	0.00%
as THCA	12.9%
CBD	12.9%
as CBD	0.00%
as CBDA	14.6%
CBN	0.08%
total CBC	1.14%
THCV*	0.09%
CBG*	0.5%



Wax	0%
Other CB's	0.5%
Monoterpenes	3.1%
Sesquiterpenes	2.2%
Water	6.7%



# CANNATONIC GREEN

Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

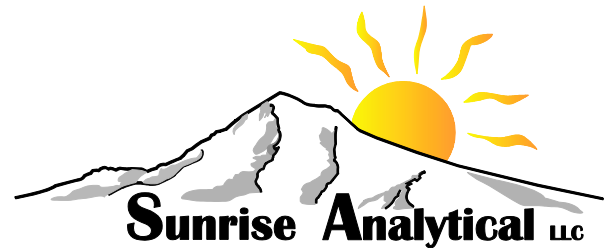
Potency by Method 8270

Analysis Date

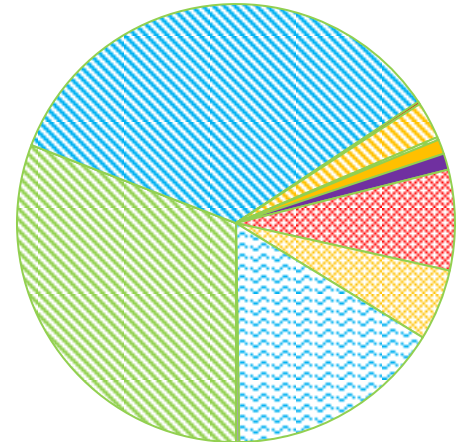
4/10/15

4/13/15

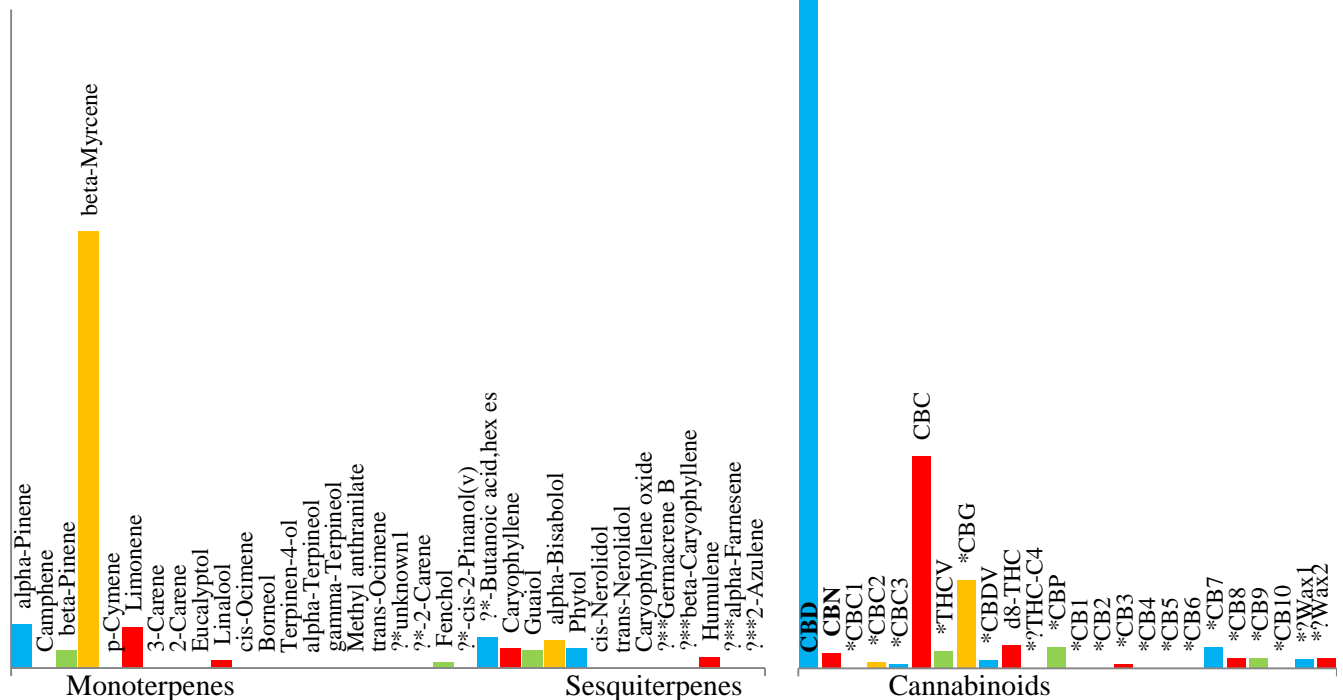
4/15/15



<b>THC</b>	<b>11.4%</b>
as THC	0.00%
as THCA	12.9%
<b>CBD</b>	<b>12.9%</b>
as CBD	0.00%
as CBDA	14.6%
<b>CBN</b>	<b>0.08%</b>
total CBC	1.14%
THCV	0.09%
CBG	0.5%
Other CB's	0.5%
Monoterpenes	3.1%
Sesquiterpenes	2.2%
Water	6.7%
Wax	0%



Pie Chart based on Total Extractables



## Strain Match

97% AC/DC  
89% CANNATONIC  
85% FLAV  
84% HURCKLE  
81% HARLEQUIN

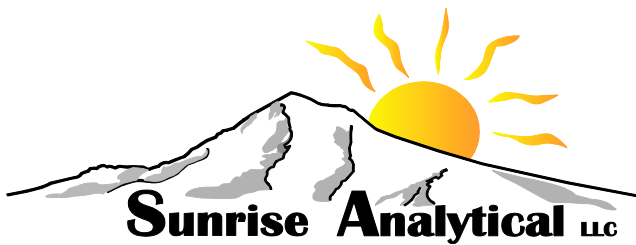
## From Lab ID

14A036-03  
14A023-06  
14B033-03  
14D010-01  
14A014-02

Notes:

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

Mold by AOAC BAM

Pesticides by GC/MS (Mod 8270)

		Cannatonic					
Sample Name:		Green			Batch QC	Batch QC	
Lab ID:		15D010-02			15D008-02	15D008-02dup	150035m-BLK
Mold / Mildew		Petri #1	1250		0	0	0
							10000 cfu
Analysis Date:		4/10/15			4/10/15	4/10/15	4/10/15
Result		PASS					

		Cannatonic					
Sample Name:		Green			Batch QC		
Lab ID:		15D010-02			150035p-BS	150035p-BLK	
Pesticides							Detection Limit
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)		6.7%			NA	NA	±0.2%
Surrogate % Recovery:		81%			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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