

Date: 3/11/15

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

Peggy's Garden LLC

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

Analysis by GC/MS (Mod 8270)

Sample Name:	Sergeant		Batch QC	Batch QC	150021-BLK	Detection Limit
	Pepper					
Lab ID:	15C006-02		15C003-01	15C003-01dup		
alpha-Pinene	1.8		ND	ND	ND	0.2 mg/g
Camphene	ND		ND	ND	ND	0.2 mg/g
beta-Pinene	0.9		ND	ND	ND	0.2 mg/g
beta-Myrcene	4.8		ND	ND	ND	0.2 mg/g
p-Cymene	ND		ND	ND	ND	0.2 mg/g
Limonene	8.4		ND	ND	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	1.4		ND	ND	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	0.6		ND	ND	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	2.0		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	0.8		ND	ND	ND	0.2 mg/g
?*-cis-2-Pinanol(v)	0.5		ND	ND	ND	0.2 mg/g
?*-Butanoic acid,hex es	ND		ND	ND	ND	0.2 mg/g
?*Total Monoterpenes	29.0		3.0	3.0	ND	0.2 mg/g
Caryophyllene	2.0		1.2	1.2	ND	0.2 mg/g
Guaiol	0.6		ND	ND	ND	0.2 mg/g
alpha-Bisabolol	0.3		1.0	1.0	ND	0.2 mg/g
Phytol	1.7		1.4	1.4	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	1.1		ND	ND	ND	0.2 mg/g
?**beta-Caryophyllene	ND		ND	ND	ND	0.2 mg/g
Humulene	1.0		0.6	0.6	ND	0.2 mg/g
?**alpha-Farnesene	ND		0.8	0.8	ND	0.2 mg/g
?**2-Azulene	2.0		1.5	1.5	ND	0.2 mg/g
***/Total Sesquiterpenes	35.0		25.0	25.0	ND	0.2 mg/g
Water (% moisture)			1.2%	1.2%	NA	±0.2%
Surrogate % Recovery:	87%		98%	100%	92%	d6-Phenol
Extraction Date:	3/4/15		3/4/15	3/4/15	3/4/15	
Analysis Date:	3/6/15		3/5/15	3/5/15	3/5/15	

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.

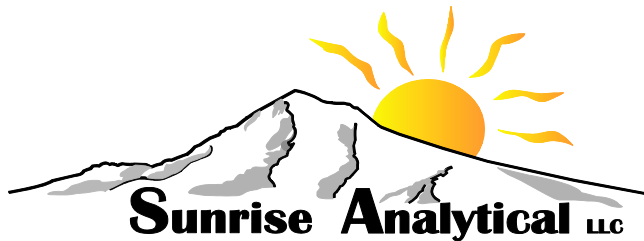
**Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: *Pat Marshall*
Sr. Chemist

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

Analysis by GC/MS (Mod 8270)

Sample Name:	Sergeant		Batch QC	Batch QC	150021-BLK	Detection Limit
	Pepper					
Lab ID:	15C006-02		15C003-01	15C003-01dup		
THC	229		146	143	ND	0.2 mg/g
as THC	ND		ND	ND	ND	0.2 mg/g
as THCA	259		165	162	ND	0.2 mg/g
CBD Cannabidiol	0.5		0.6	0.6	ND	0.2 mg/g
as CBD	ND		ND	ND	ND	0.2 mg/g
as CBDA	0.5		0.7	0.7	ND	0.2 mg/g
CBN Cannabinol	0.6		15.8	17.1	ND	0.2 mg/g
*CBC1 Cannabichromene	ND		2.3	2.2	ND	0.2 mg/g
*CBC2 Cannabichromene	ND		1.0	1.0	ND	0.2 mg/g
*CBC3 Cannabichromene	ND		1.3	1.2	ND	0.2 mg/g
CBC Cannabichromene	2.6		15.8	17.0	ND	0.2 mg/g
*THCV Tetrahydrocannabivarin	1.4		1.8	2.0	ND	0.2 mg/g
*CBG Cannabigerol	15		10	11	ND	0.2 mg/g
*CBDV Cannabidivarinol	ND		ND	ND	ND	0.2 mg/g
delta-8-THC	ND		ND	ND	ND	0.2 mg/g
*?THC-C4	0.3		ND	ND	ND	0.2 mg/g
*CBP ?Cannabipat	0.2		ND	ND	ND	0.2 mg/g
*CB1 ?CBD-C1	ND		ND	ND	ND	0.2 mg/g
*CB2 ?THC-C1	0.3		ND	ND	ND	0.2 mg/g
*CB3 ?Cannabi-three	ND		ND	ND	ND	0.2 mg/g
*CB4 ?Cannabi-four	ND		1.5	1.4	ND	0.2 mg/g
*CB5 ?Cannabi-five	0.2		ND	ND	ND	0.2 mg/g
*CB6 ?(Z)-CBG-C5	ND		ND	ND	ND	0.2 mg/g
*CB7 ?Cannabi-seven	ND		ND	ND	ND	0.2 mg/g
*CB8 ?Cannabi-eight	ND		ND	ND	ND	0.2 mg/g
*CB9 ?Cannabi-nine	0.4		ND	ND	ND	0.2 mg/g
*CB10 ?Cannabi-ten	ND		ND	ND	ND	0.2 mg/g
*Wax1 ?C29	0.4		0.9	0.8	ND	0.2 mg/g
*Wax2 ?C30	0.4		1.3	0.9	ND	0.2 mg/g
Water (% moisture)	0.0%		1.2%	1.2%	NA	±0.2%
Surrogate % Recovery:	87%		98%	100%	92%	d6-Phenol
Extraction Date:	3/4/15		3/4/15	3/4/15	3/4/15	
Analysis Date:	3/6/15		3/5/15	3/5/15	3/5/15	

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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SERGEANT PEPPER

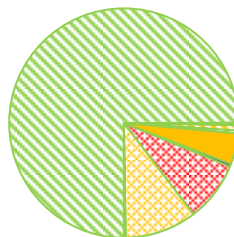
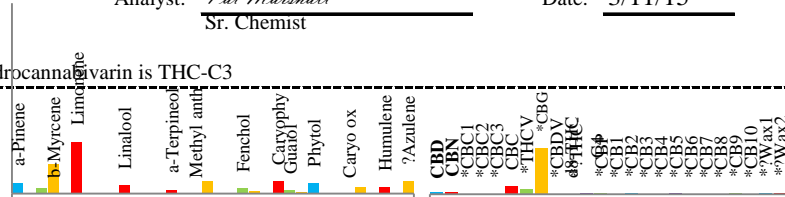
Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

Potency by Method 8270



THC	22.9%
as THC	0.00%
as THCA	25.9%
CBD	0.05%
as CBD	0.00%
as CBDA	0.05%
CBN	0.06%
total CBC	0.26%
THCV*	0.14%
CBG*	1.5%



Wax	0%
Other CB's	0.1%
Monoterpenes	2.9%
Sesquiterpenes	3.5%
Water	0%



SERGEANT PEPPER

Mold by AOAC BAM: PASS

Pesticides by Method 8270 at 0.1ppm: PASS

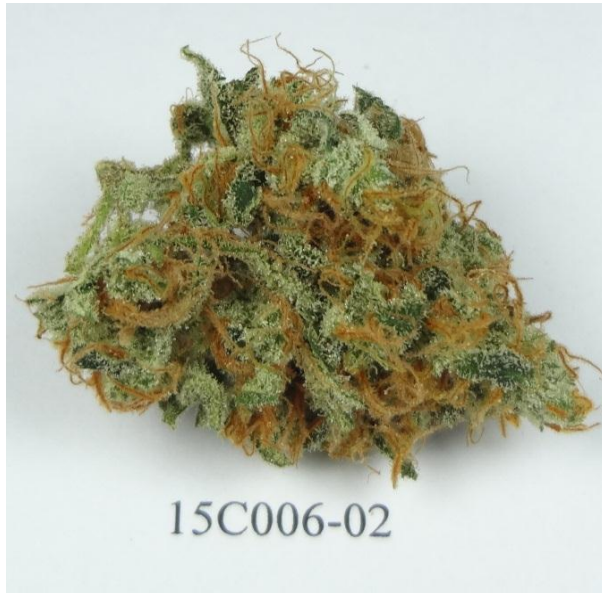
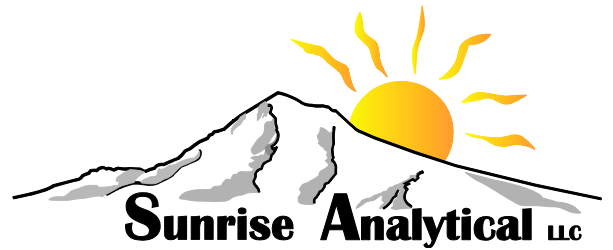
Potency by Method 8270

Analysis Date

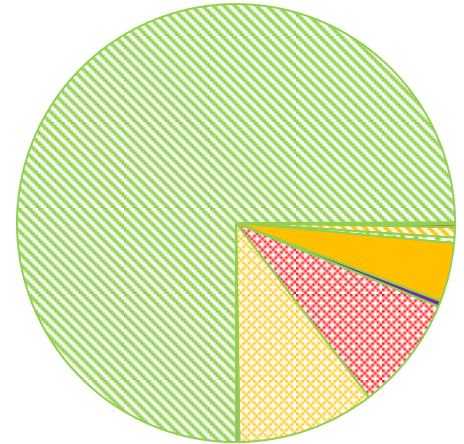
3/7/15

3/5/15

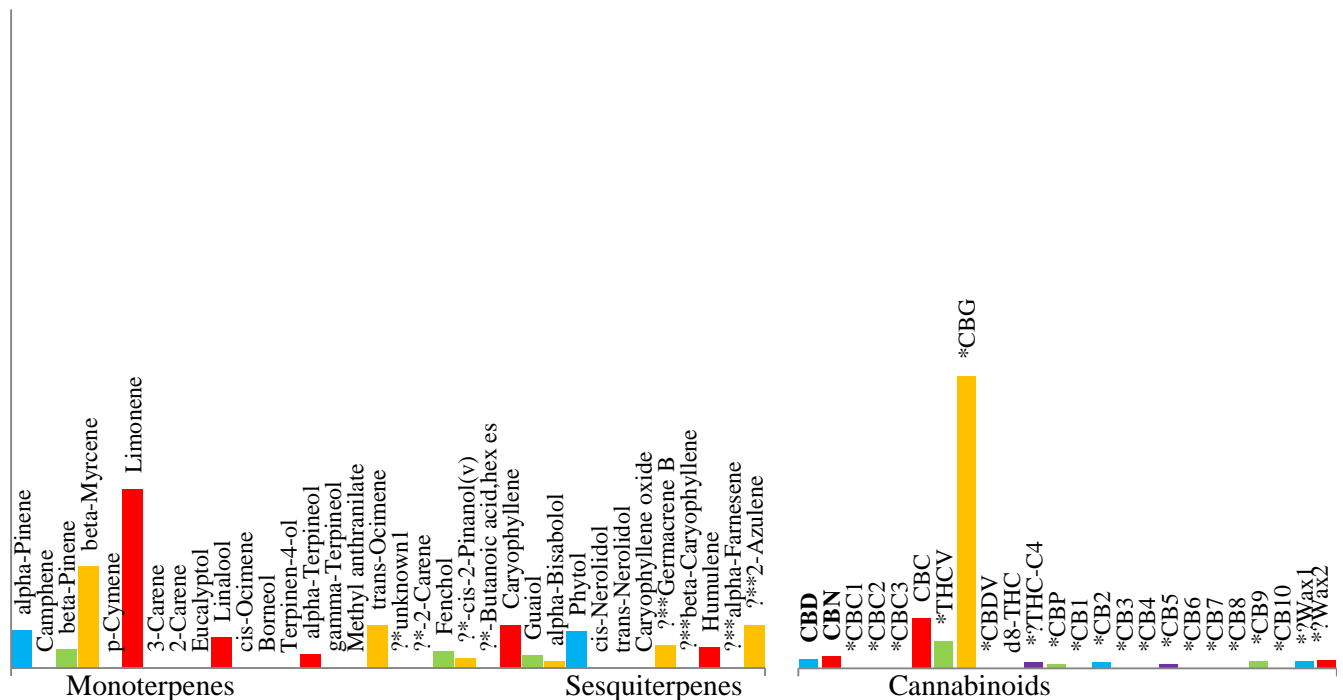
3/6/15



THC	22.9%
as THC	0.00%
as THCA	25.9%
CBD	0.05%
as CBD	0.00%
as CBDA	0.05%
CBN	0.06%
total CBC	0.26%
THCV	0.14%
CBG	1.5%
Other CB's	0.1%
Monoterpenes	2.9%
Sesquiterpenes	3.5%
Water	0%
Wax	0%



Pie Chart based on Total Extractables



Strain Match

91%	MAUI BUBBLE GIFT
91%	ORANGE PINEAPPLE
88%	BC DIESEL
87%	WREX
87%	BLUE CITY DIESEL

From Lab ID

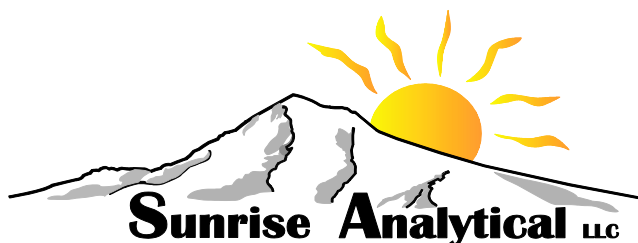
14B018-01
14B041-06
14D017-02
14A023-04
14A005-01

Notes:

Analyst: *Pat Marshall*

Sr. Chemist

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Mold and Pesticide results for the sample received on 3/3/15.

Mold by AOAC BAM

Pesticides by GC/MS (Mod 8270)

	Sample Name:	Sergeant Pepper			Batch QC	Batch QC		
	Lab ID:	15C006-02			15C008-01	15C008-01 dup	150022m-BLK	Passing Limit
Mold / Mildew	Petri #1	3750			7000	8000	0	10000 cfu
Analysis Date:		3/7/15			3/7/15	3/7/15	3/7/15	
Result		PASS						

	Sample Name:	Sergeant Pepper				Batch QC		
Pesticides	Lab ID:	15C006-02				150021p-BS	150021p-BLK	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)		3.8%				NA	NA	±0.2%
Surrogate % Recovery:		105%				125%	103%	d6-Phenol
Extraction Date:		3/5/15				3/5/15	3/5/15	
Analysis Date:		3/5/15				3/5/15	3/5/15	
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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