

Date: 11/11/14

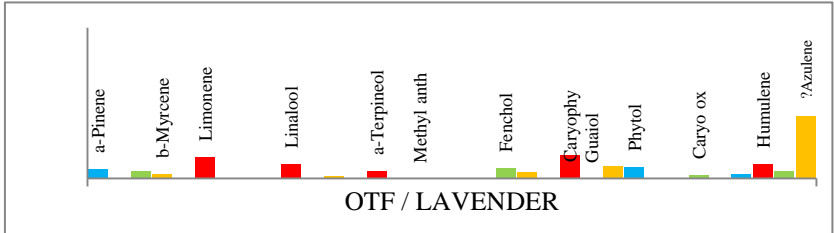
9755 SW Commerce Circle Suite B-3
Wilsonville, OR 97070
503-625-6593

ECO Firma Farms

Terpene results for the sample received on 11/5/14. Analysis by GC/MS (Mod 8270)

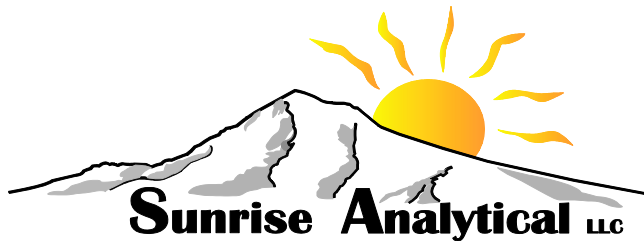
Sample Name:	OTF /			Batch QC		Batch QC	140118-BLK	Detection Limit
	Lab ID:	Lavender		14K006-04	14K006-04dup			
alpha-Pinene	14K006-02	1.9		0.7	0.7	ND	0.5 mg/g	
Camphene		ND		ND	ND	ND	0.5 mg/g	
beta-Pinene		1.5		0.9	0.9	ND	0.5 mg/g	
beta-Myrcene		0.9		8.0	8.0	ND	0.5 mg/g	
p-Cymene		ND		ND	ND	ND	0.5 mg/g	
Limonene		4.4		3.3	3.3	ND	0.5 mg/g	
3-Carene		ND		ND	ND	ND	0.5 mg/g	
2-Carene		ND		ND	ND	ND	0.5 mg/g	
Eucalyptol		ND		ND	ND	ND	0.5 mg/g	
Linalool		3.0		3.0	2.9	ND	0.5 mg/g	
cis-Ocimene		ND		ND	ND	ND	0.5 mg/g	
Borneol		0.5		ND	ND	ND	0.5 mg/g	
Terpinen-4-ol		ND		ND	ND	ND	0.5 mg/g	
alpha-Terpineol		1.5		0.5	0.5	ND	0.5 mg/g	
gamma-Terpineol		ND		ND	ND	ND	0.5 mg/g	
Methyl anthranilate		ND		ND	ND	ND	0.5 mg/g	
trans-Ocimene		ND		ND	ND	ND	0.5 mg/g	
?*unknown1		ND		ND	ND	ND	0.5 mg/g	
?*-2-Carene		ND		ND	ND	ND	0.5 mg/g	
Fenchol		2.2		1.2	1.1	ND	0.5 mg/g	
?*-cis-2-Pinanol(v)		1.3		0.7	0.7	ND	0.5 mg/g	
?*-Butanoic acid,hex es		ND		ND	ND	ND	0.5 mg/g	
?*Total Monoterpenes		23.0		25.0	25.0	ND	0.5 mg/g	
Caryophyllene		4.8		3.7	3.7	ND	0.5 mg/g	
Guaiol		ND		ND	ND	ND	0.5 mg/g	
alpha-Bisabolol		2.7		1.8	1.8	ND	0.5 mg/g	
Phytol		2.3		1.8	1.8	ND	0.5 mg/g	
cis-Nerolidol		ND		ND	ND	ND	0.5 mg/g	
trans-Nerolidol		ND		ND	ND	ND	0.5 mg/g	
Caryophyllene oxide		0.7		ND	ND	ND	0.5 mg/g	
?**Germacrene B		ND		ND	ND	ND	0.5 mg/g	
?**beta-Caryophyllene		0.9		ND	ND	ND	0.5 mg/g	
Humulene		3.0		2.1	2.1	ND	0.5 mg/g	
?**alpha-Farnesene		1.4		1.2	1.1	ND	0.5 mg/g	
?**2-Azulene		12.9		19.0	18.5	ND	0.5 mg/g	
**?Total Sesquiterpenes		55.0		55.0	55.0	ND	0.5 mg/g	
Water (% moisture)		0.0%		0.0%	0.0%	NA	±0.2%	
Surrogate % Recovery:		92%		95%	91%	95%	d6-Phenol	
Extraction Date:		11/7/14		11/7/14	11/7/14	11/7/14		
Analysis Date:		11/8/14		11/8/14	11/8/14	11/8/14		

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

Date: 11/11/14



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Cannabinoid results for the sample received on 11/5/14.

Analysis by GC/MS (Mod 8270)

Sample Name:	OTF /		Batch QC		140118-BLK	Detection Limit
	Lab ID:	Lavender	14K006-04	14K006-04dup		
THC		744		717	706	ND 0.5 mg/g
as THC		37.2		36	35	ND 0.5 mg/g
as THCA		799		770	758	ND 0.5 mg/g
CBD Cannabidiol		2.6		4.5	4.3	ND 0.5 mg/g
as CBD		ND		ND	ND	ND 0.5 mg/g
as CBDA		2.8		4.8	4.6	ND 0.5 mg/g
CBN Cannabinol		14.1		9.8	9.4	ND 0.5 mg/g
*CBC1 Cannabichromene		ND		ND	ND	ND 0.5 mg/g
*CBC2 Cannabichromene		ND		ND	ND	ND 0.5 mg/g
*CBC3 Cannabichromene		ND		ND	ND	ND 0.5 mg/g
CBC Cannabichromene		13.3		9.8	9.3	ND 0.5 mg/g
*THCV Tetrahydrocannabivarin		2.6		15.2	14.3	ND 0.5 mg/g
*CBG Cannabigerol		10		26	25	ND 0.5 mg/g
*CBDV Cannabidivanol		ND		ND	ND	ND 0.5 mg/g
delta-8-THC		ND		ND	ND	ND 0.5 mg/g
*?THC-C4		1.4		2.1	2.0	ND 0.5 mg/g
*CBP ?Cannabipat		ND		ND	ND	ND 0.5 mg/g
*CB1 ?CBD-C1		ND		ND	ND	ND 0.5 mg/g
*CB2 ?THC-C1		ND		ND	0.5	ND 0.5 mg/g
*CB3 ?Cannabi-three		1.3		1.1	1.1	ND 0.5 mg/g
*CB4 ?Cannabi-four		5.7		6.3	6.3	ND 0.5 mg/g
*CB5 ?Cannabi-five		1.2		1.4	1.0	ND 0.5 mg/g
*CB6 ?(Z)-CBG-C5		ND		0.7	ND	ND 0.5 mg/g
*CB7 ?Cannabi-seven		ND		ND	ND	ND 0.5 mg/g
*CB8 ?Cannabi-eight		ND		ND	ND	ND 0.5 mg/g
*CB9 ?Cannabi-nine		0.8		0.5	0.5	ND 0.5 mg/g
*CB10 ?Cannabi-ten		ND		ND	ND	ND 0.5 mg/g
*Wax1 ?C29		1.2		ND	ND	ND 0.5 mg/g
*Wax2 ?C30		ND		ND	ND	ND 0.5 mg/g
Water (% moisture)		0.0%		0.0%	0.0%	NA ±0.2%
Surrogate % Recovery:		92%		95%	91%	95% d6-Phenol
Extraction Date:		11/7/14		11/7/14	11/7/14	
Analysis Date:		11/8/14		11/8/14	11/8/14	

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Detection Limit is based on the dry weight equivalent.

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*Compound concentration is estimated based on CBC or CBD.

? Compound has not been verified.

NOTE: THCV Tetrahydrocannabivarin is THC-C3

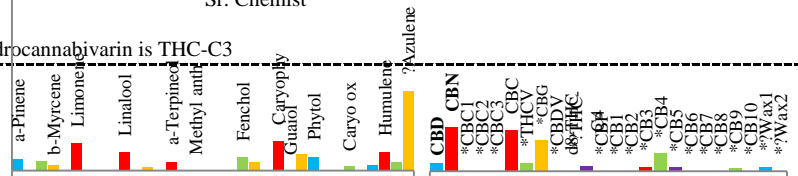
Batch QC - From a previous batch.

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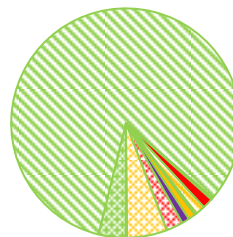
Date: 11/11/14

OTF / LAVENDER

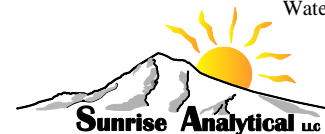
Analysis Date: 11/8/14



THC	74.4%
as THC	3.72%
as THCA	79.9%
CBD	0.26%
as CBD	0.00%
as CBDA	0.28%
CBN	1.41%
total CBC	1.33%
THCV*	0.26%
CBG*	1.0%

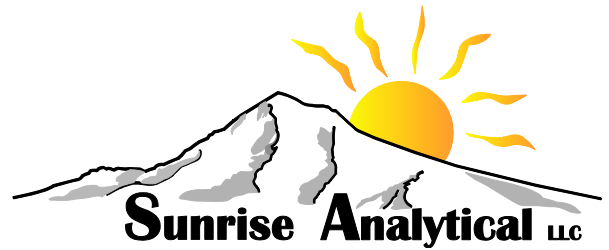


Wax	0.1%
Other CB's	1%
Monoterpenes	2.3%
Sesquiterpenes	5.5%
Water	0%

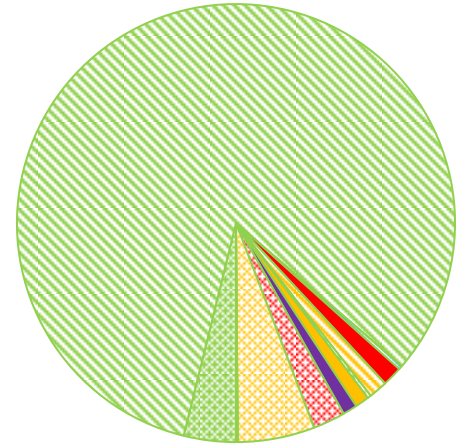


OTF / LAVENDER

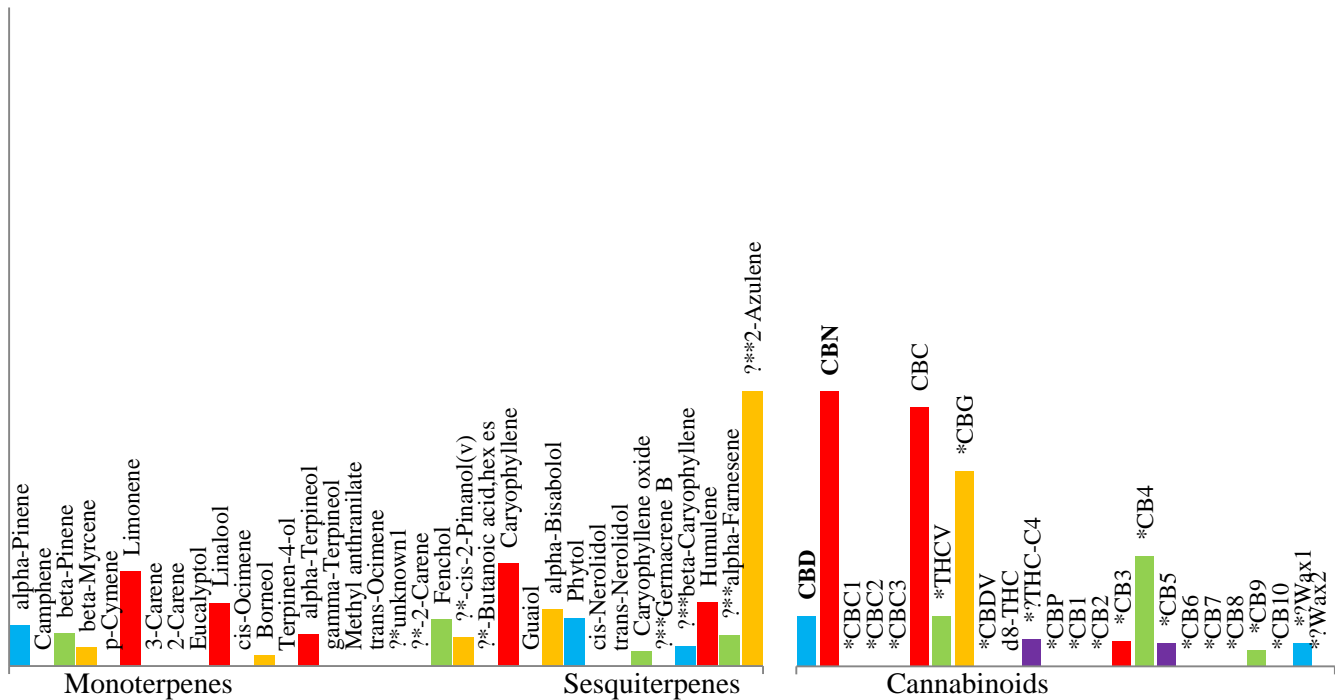
Analysis Date: 11/8/14
 UV/Vis Inspection:
 Method 8270:



THC	74.4%
as THC	3.72%
as THCA	79.9%
CBD	0.26%
as CBD	0.00%
as CBDA	0.28%
CBN	1.41%
total CBC	1.33%
THCV	0.26%
CBG	1.0%
Other CB's	1%
Monoterpenes	2.3%
Sesquiterpenes	5.5%
Water	0%
Wax	0.1%



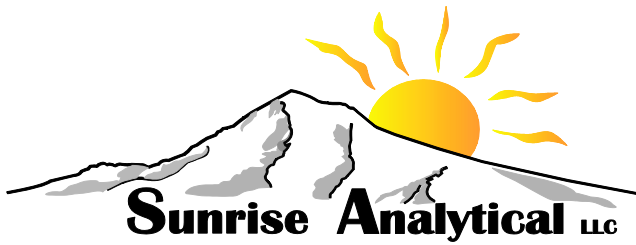
Pie Chart based on Total Extractables



Notes:

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Solvent results for the sample received on 11/5/14.

Analysis by GC/MS (Mod 8270) Detection Limit

	OTF /					
Sample Name:	Lavender					
Lab ID:	14K006-02					140118s-BLK
Propane	ND					ND
Isobutane	ND					ND
Butane	ND					ND
2-Methyl Butane	ND					ND
Pentane	ND					ND
2-Methyl pentane	ND					ND
3-Methyl pentane	ND					ND
Hexane	ND					ND
Methyl cyclopentane	ND					ND
Isopropyl alcohol	ND					ND
other	ND					ND
Extraction Date:	11/7/14					11/7/14
Analysis Date:	11/8/14					11/8/14

NOTES:

Estimated detection limit of 100ppm based on Hexane

ND = Not Detected

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