

Date: 11/11/14

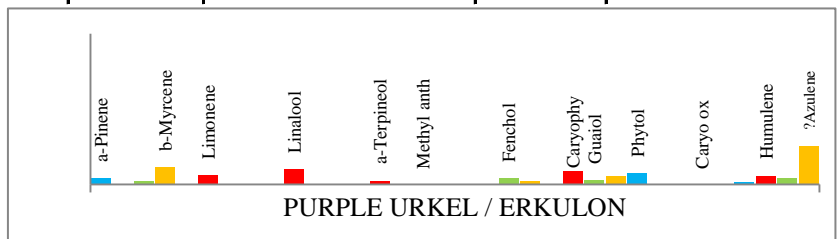
9755 SW Commerce Circle Suite B-3
 Wilsonville, OR 97070
 503-625-6593

ECO Firma Farms

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

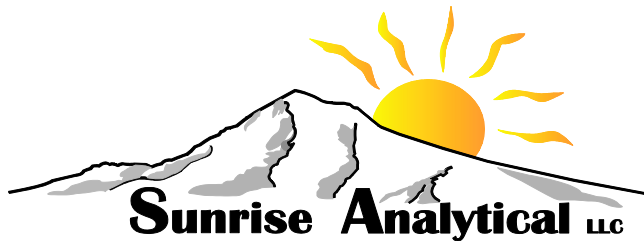
	Purple Urkel			Batch QC			Detection Limit
	Sample Name:	/ Erkulon		Batch QC	Batch QC	Batch QC	
	Lab ID:	14K006-06		14K006-04	14K006-04dup	140118-BLK	
alpha-Pinene		1.3		0.7	0.7	ND	0.5 mg/g
Camphene		ND		ND	ND	ND	0.5 mg/g
beta-Pinene		0.8		0.9	0.9	ND	0.5 mg/g
beta-Myrcene		3.6		8.0	8.0	ND	0.5 mg/g
p-Cymene		ND		ND	ND	ND	0.5 mg/g
Limonene		1.9		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		3.2		3.0	2.9	ND	0.5 mg/g
cis-Ocimene		ND		ND	ND	ND	0.5 mg/g
Borneol		ND		ND	ND	ND	0.5 mg/g
Terpinen-4-ol		ND		ND	ND	ND	0.5 mg/g
alpha-Terpineol		0.8		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		1.3		1.2	1.1	ND	0.5 mg/g
?*-cis-2-Pinanol(v)		0.7		0.7	0.7	ND	0.5 mg/g
?*-Butanoic acid,hex es		ND		ND	ND	ND	0.5 mg/g
?*Total Monoterpenes		19.0		25.0	25.0	ND	0.5 mg/g
Caryophyllene		2.8		3.7	3.7	ND	0.5 mg/g
Guaiol		1.0		ND	ND	ND	0.5 mg/g
alpha-Bisabolol		1.8		1.8	1.8	ND	0.5 mg/g
Phytol		2.4		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		ND		ND	ND	ND	0.5 mg/g
?**Germacrene B		ND		ND	ND	ND	0.5 mg/g
?**beta-Caryophyllene		0.5		ND	ND	ND	0.5 mg/g
Humulene		1.8		2.1	2.1	ND	0.5 mg/g
?**alpha-Farnesene		1.3		1.2	1.1	ND	0.5 mg/g
?**2-Azulene		7.9		19.0	18.5	ND	0.5 mg/g
**?'Total Sesquiterpenes		41.0		55.0	55.0	ND	0.5 mg/g
Water (% moisture)		0.0%		0.0%	0.0%	NA	±0.2%
Surrogate % Recovery:		97%		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:	Purple Urkel			Batch QC	Batch QC	140118-BLK	Detection Limit
	/ Erkulon						
Lab ID:	14K006-06			14K006-04	14K006-04dup	140118-BLK	
THC	708			717	706	ND	0.5 mg/g
as THC	35.4			36	35	ND	0.5 mg/g
as THCA	760			770	758	ND	0.5 mg/g
CBD Cannabidiol	50.0			4.5	4.3	ND	0.5 mg/g
as CBD	2.5			ND	ND	ND	0.5 mg/g
as CBDA	53.7			4.8	4.6	ND	0.5 mg/g
CBN Cannabinol	9.3			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	14.7			9.8	9.3	ND	0.5 mg/g
*THCV Tetrahydrocannabivarin	7.4			15.2	14.3	ND	0.5 mg/g
*CBG Cannabigerol	17			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	ND			2.1	2.0	ND	0.5 mg/g
*CBP ?Cannabipat	0.6			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	1.0			1.1	1.1	ND	0.5 mg/g
*CB4 ?Cannabi-four	4.2			6.3	6.3	ND	0.5 mg/g
*CB5 ?Cannabi-five	1.4			1.4	1.0	ND	0.5 mg/g
*CB6 ?(Z)-CBG-C5	9.7			0.7	ND	ND	0.5 mg/g
*CB7 ?Cannabi-seven	0.6			ND	ND	ND	0.5 mg/g
*CB8 ?Cannabi-eight	ND			ND	ND	ND	0.5 mg/g
*CB9 ?Cannabi-nine	0.7			0.5	0.5	ND	0.5 mg/g
*CB10 ?Cannabi-ten	ND			ND	ND	ND	0.5 mg/g
*Wax1 ?C29	ND			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:	97%			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

Batch QC - High RPD's, due to sample.

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.

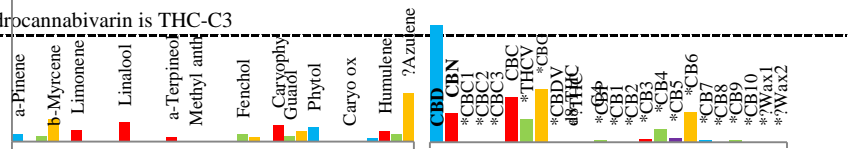
NOTE: THCV Tetrahydrocannabivarin is THC-C3

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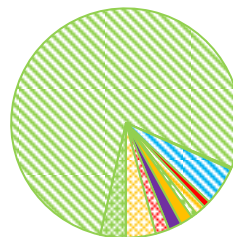
Date: 11/11/14

PURPLE URKEL / ERKULON

Analysis Date: 11/8/14



THC	70.8%
as THC	3.54%
as THCA	76.0%
CBD	5.00%
as CBD	0.00%
as CBDA	5.37%
CBN	0.93%
total CBC	1.47%
THCV*	0.74%
CBG*	1.7%

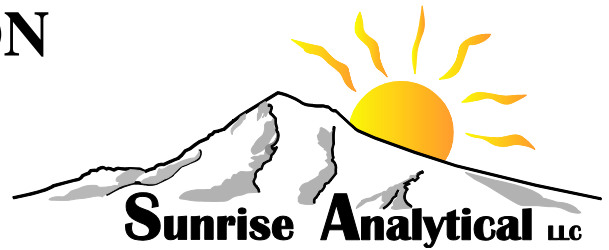


Wax	0%
Other CB's	1.8%
Monoterpenes	1.9%
Sesquiterpenes	4.1%
Water	0%

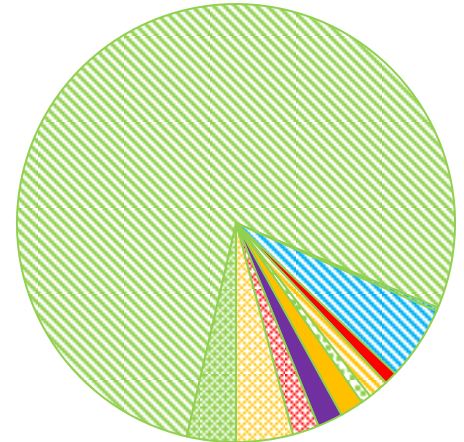


PURPLE URKEL / ERKULON

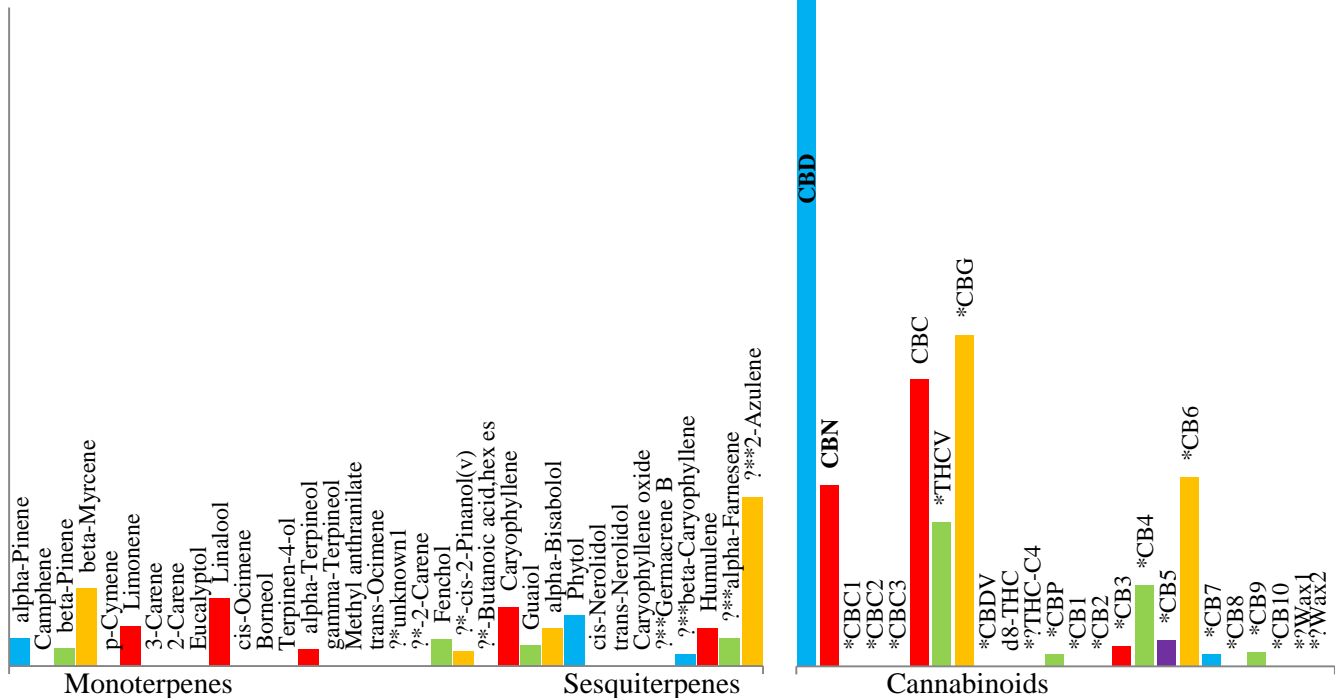
Analysis Date: 11/8/14
 UV/Vis Inspection:
 Method 8270:



	THC	70.8%
	as THC	3.54%
	as THCA	76.0%
	CBD	5.00%
	as CBD	0.00%
	as CBDA	5.37%
	CBN	0.93%
	total CBC	1.47%
	THCV	0.74%
	CBG	1.7%
	Other CB's	1.8%
	Monoterpenes	1.9%
	Sesquiterpenes	4.1%
	Water	0%
	Wax	0%



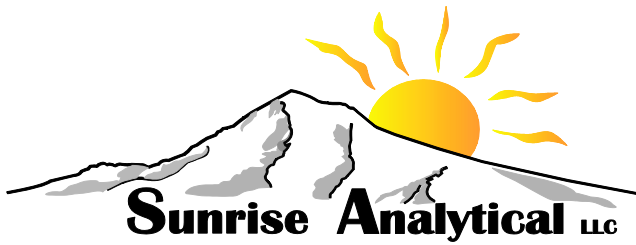
Pie Chart based on Total Extractables



Notes:

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

Analysis by GC/MS (Mod 8270) | Detection Limit

		Purple Urkel					
Sample Name:	/ Erkulon						
Lab ID:	14K006-06					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

-BLK = The method blank associated with this batch.

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