

Date: 9/9/13

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

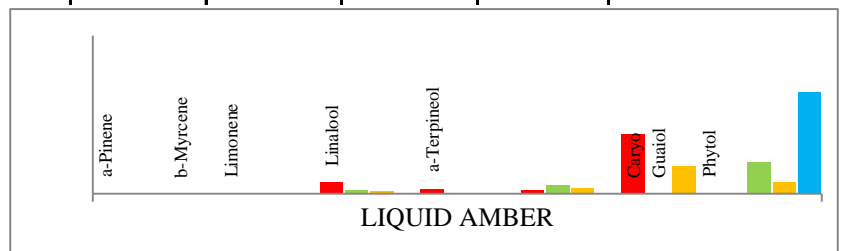
UDOXI Scientific

Terpene results for the sample received on 9/5/13.

Analysis by GC/MS (Mod 8270)

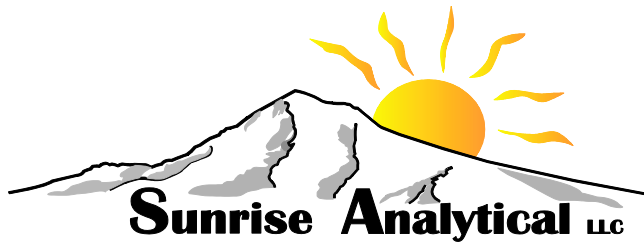
Sample Name: Lab ID:	Liquid Amber	Batch QC 131003-01	Batch QC 131003-01dup	Batch QC 130046-BLK	Detection Limit
	131002-05				
alpha-Pinene	ND	ND	ND	ND	0.5 mg/g
Camphene	ND	ND	ND	ND	0.5 mg/g
beta-Pinene	ND	ND	ND	ND	0.5 mg/g
beta-Myrcene	ND	ND	ND	ND	0.5 mg/g
p-Cymene	ND	ND	ND	ND	0.5 mg/g
Limonene	ND	0.5	0.5	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	2.2	1.6	1.7	ND	0.5 mg/g
beta-Terpineol	0.7	ND	ND	ND	0.5 mg/g
Borneol	0.6	ND	ND	ND	0.5 mg/g
Terpinen-4-ol	ND	ND	ND	ND	0.5 mg/g
alpha-Terpineol	1.0	0.9	1.0	ND	0.5 mg/g
gamma-Terpineol	ND	ND	ND	ND	0.5 mg/g
?*-3-Carene	ND	ND	ND	ND	0.5 mg/g
?*unknown1	ND	ND	ND	ND	0.5 mg/g
?*-2-Carene	0.7	ND	ND	ND	0.5 mg/g
?*-triMeHeptanol	1.6	1.5	1.5	ND	0.5 mg/g
?*-cis-2-Pinanol(v)	1.1	0.5	0.5	ND	0.5 mg/g
?*-Butanoic acid,hex es	ND	ND	ND	ND	0.5 mg/g
?*Total Monoterpenes	9.9	11.7	12.1	ND	0.5 mg/g
Caryophyllene	11.6	10.8	10.9	ND	0.5 mg/g
Guaiol	ND	ND	ND	ND	0.5 mg/g
alpha-Bisabolol	5.3	3.0	2.9	ND	0.5 mg/g
Phytol	ND	9.1	9.1	ND	0.5 mg/g
?**beta-Caryophyllene	ND	0.8	1.0	ND	0.5 mg/g
?**alpha-Caryophyllene	6.2	4.7	4.8	ND	0.5 mg/g
?**alpha-Farnesene	2.4	2.5	2.7	ND	0.5 mg/g
?**2-Azulene	19.8	12.2	12.4	ND	0.5 mg/g
**?Total Sesquiterpenes	96.4	73.6	73.5	ND	0.5 mg/g
Water (% moisture)	0.0%	0.0%	0.0%	NA	±0.2%
Surrogate % Recovery:	84%	95%	90%	92%	d6-Phenol
Extraction Date:	9/7/13	9/7/13	9/7/13	9/7/13	
Analysis Date:	9/9/13	9/9/13	9/9/13	9/8/13	

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: 9/9/13



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Cannabinoid results for the sample received on 9/5/13.

Analysis by GC/MS (Mod 8270)

Sample Name:	Liquid	Batch QC	Batch QC	Batch QC	Detection Limit
	Amber				
Lab ID:	131002-05	131003-01	131003-01dup	130046-BLK	
THC	691	574	548	ND	0.5 mg/g
CBD Cannabidiol	2.2	9.7	9.8	ND	0.5 mg/g
CBN Cannabinol	12.1	5.5	5.4	ND	0.5 mg/g
*CBC Cannabichromene	ND	0.6	0.6	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
*CBC4 Cannabichromene	13.2	26.8	27.1	ND	0.5 mg/g
*THCV Tetrahydrocannabivarin	10.5	7.6	7.8	ND	0.5 mg/g
*CBG Cannabigerol	21.0	40.0	40.0	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
*CBP ?Cannabipat	2.0	0.6	ND	ND	0.5 mg/g
*CB1 ?Cannabi-one	ND	0.5	0.6	ND	0.5 mg/g
*CB2 ?Cannabi-two	0.6	ND	ND	ND	0.5 mg/g
*CB3 ?Cannabi-three	5.9	5.1	4.0	ND	0.5 mg/g
*CB4 ?Cannabi-four	24.8	9.0	9.1	ND	0.5 mg/g
*CB6 ?Cannabi-six	ND	ND	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	1.0	ND	ND	ND	0.5 mg/g
*CB10 ?Cannabi-ten	ND	ND	ND	ND	0.5 mg/g
Water (% moisture)	0.0%	0.0%	0.0%	NA	±0.2%
Surrogate % Recovery:	84%	95%	90%	92%	d6-Phenol
Extraction Date:	9/7/13	9/7/13	9/7/13	9/7/13	
Analysis Date:	9/9/13	9/9/13	9/9/13	9/8/13	

NA = Not Applicable

ND = Not Detected

Batch QC - THC has high RPD.

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 CBD.

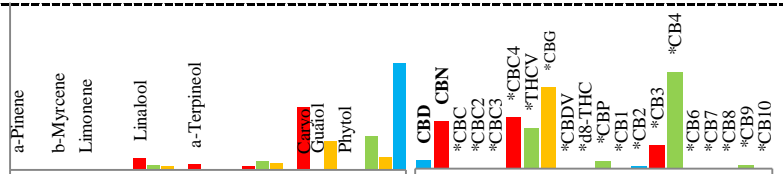
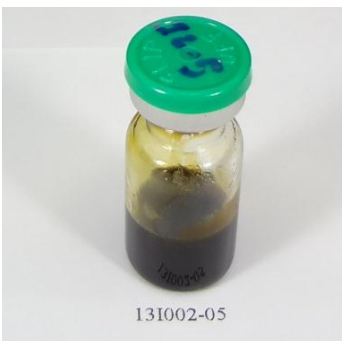
? Compound has not been verified.

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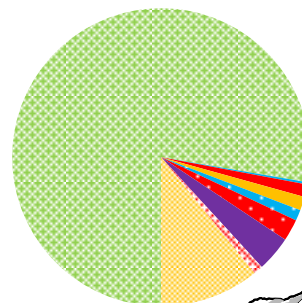
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LIQUID AMBER

Analysis Date: 9/9/13



THC	69.1%
CBD	0.2%
CBN	1.2%
total CBC	1.3%
THCV	1.1%
CBG	2.1%
Other CB's	3.4%
Monoterpenes	0.9%
Sesquiterpenes	9.6%
Water	0%

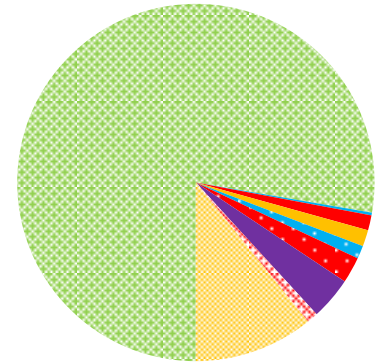
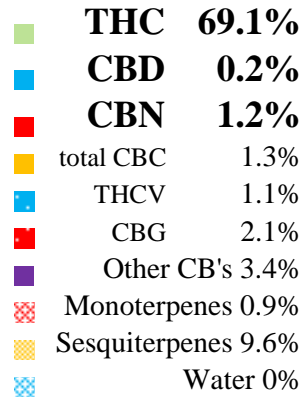
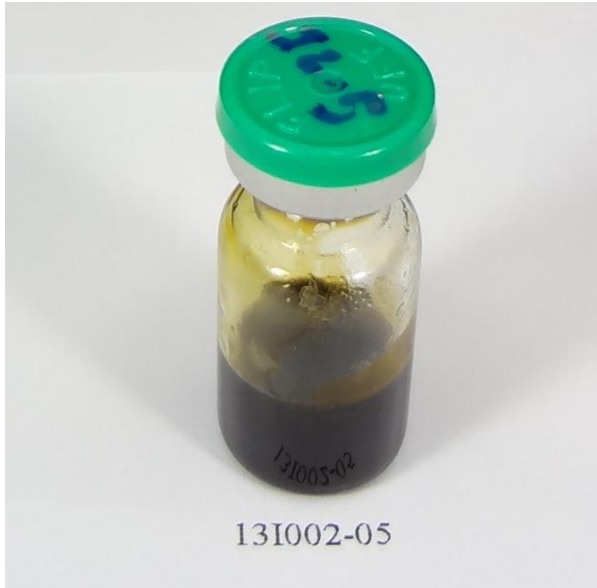
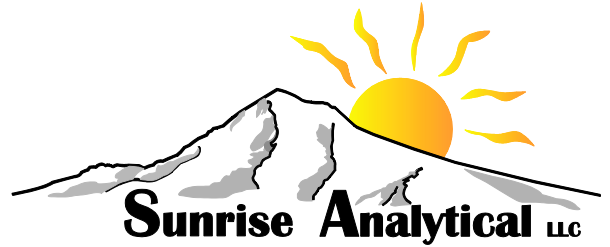


LIQUID AMBER

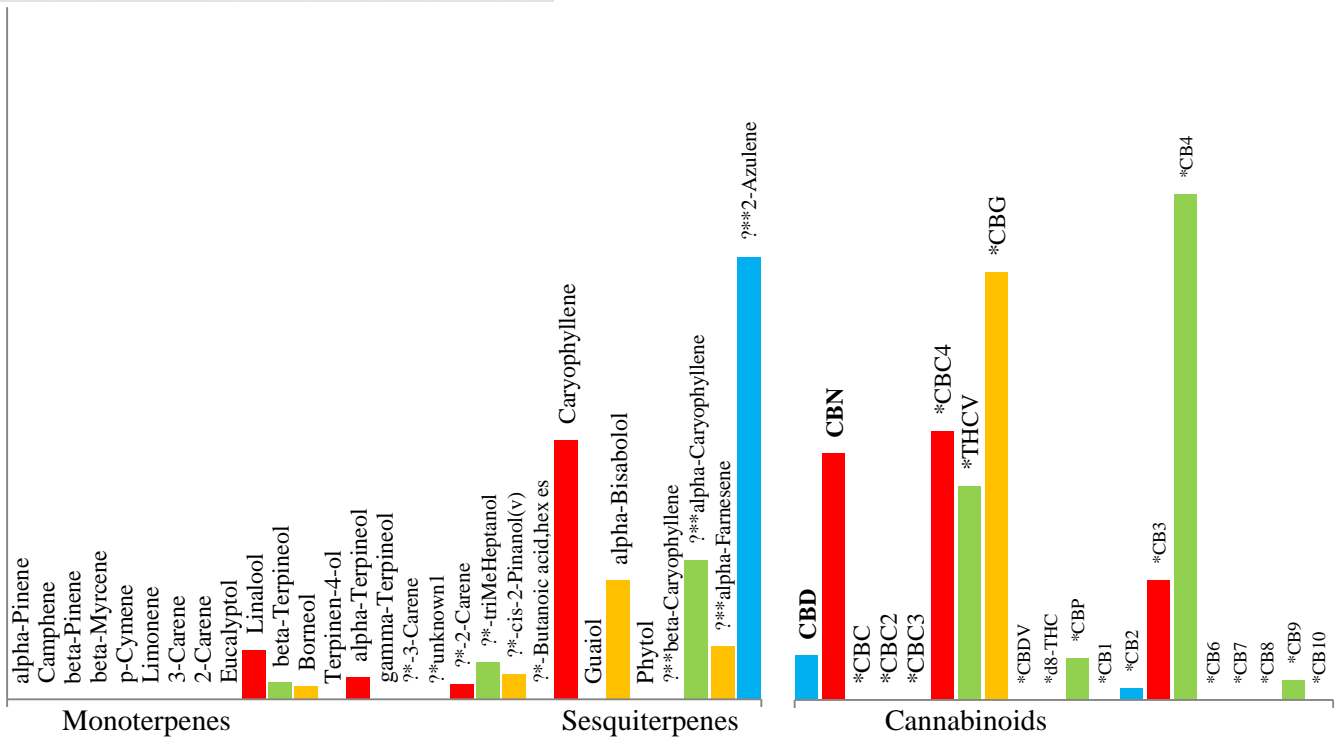
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UV/Vis Inspection:

Method 8270:



Pie Chart based on Total Extractables



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