

Date: 4/4/14

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

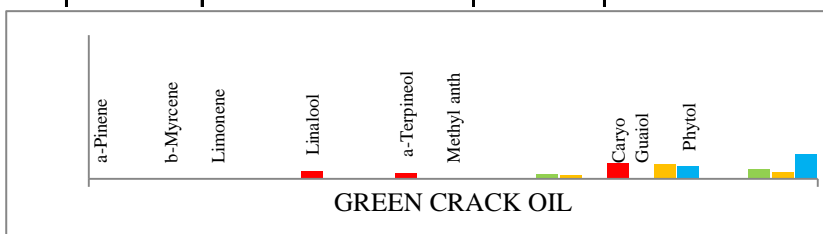
ECO Firma Farms

Terpene results for the sample received on 3/20/14.

Analysis by GC/MS (Mod 8270)

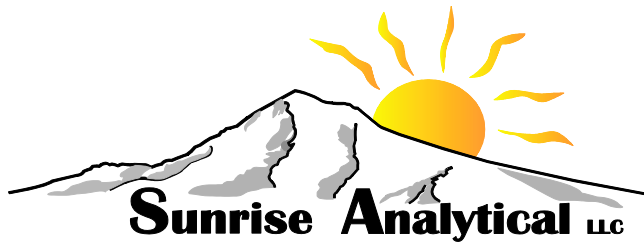
Sample Name: Lab ID:	Green Crack		Batch QC	Batch QC	140032-BLK	Detection Limit
	Oil		14C025-01	14C025-01 dup		
alpha-Pinene	ND		1.8	1.8	ND	0.5 mg/g
Camphene	ND		ND	ND	ND	0.5 mg/g
beta-Pinene	ND		1.2	1.2	ND	0.5 mg/g
beta-Myrcene	ND		1.4	1.3	ND	0.5 mg/g
p-Cymene	ND		ND	ND	ND	0.5 mg/g
Limonene	ND		7.8	7.4	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	1.6		1.1	1.1	ND	0.5 mg/g
beta-Terpineol	ND		ND	ND	ND	0.5 mg/g
Borneol	ND		0.3	0.3	ND	0.5 mg/g
Terpinen-4-ol	ND		ND	ND	ND	0.5 mg/g
alpha-Terpineol	1.3		0.8	0.8	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
?*-3-Carene	ND		0.3	0.3	ND	0.5 mg/g
?*unknown1	ND		ND	ND	ND	0.5 mg/g
?*-2-Carene	ND		ND	ND	ND	0.5 mg/g
?*-triMeHeptanol	1.1		0.9	0.9	ND	0.5 mg/g
?*-cis-2-Pinanol(v)	0.8		0.6	0.6	ND	0.5 mg/g
?*-Butanoic acid,hex es	ND		ND	ND	ND	0.5 mg/g
?*Total Monoterpenes	7.0		20.0	20.0	ND	0.5 mg/g
Caryophyllene	3.3		2.8	3.2	ND	0.5 mg/g
Guaiol	ND		ND	ND	ND	0.5 mg/g
alpha-Bisabolol	3.0		ND	ND	ND	0.5 mg/g
Phytol	2.6		1.1	1.0	ND	0.5 mg/g
?**Germacrene B	ND		2.5	3.0	ND	0.5 mg/g
?**beta-Caryophyllene	ND		1.1	1.1	ND	0.5 mg/g
?**alpha-Caryophyllene	2.1		1.5	1.7	ND	0.5 mg/g
?**alpha-Farnesene	1.4		1.4	1.5	ND	0.5 mg/g
?**2-Azulene	5.4		2.3	3.1	ND	0.5 mg/g
**?*Total Sesquiterpenes	29.0		22.0	25.0	ND	0.5 mg/g
Water (% moisture)	0.0%		5.1%	5.1%	NA	±0.2%
Surrogate % Recovery:	109%		88%	96%	95%	d6-Phenol
Extraction Date:	3/22/14		3/22/14	3/22/14	3/22/14	
Analysis Date:	3/25/14		3/25/14	3/25/14	3/25/14	

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: 4/4/14



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Cannabinoid results for the sample received on 3/20/14.

Analysis by GC/MS (Mod 8270)

Sample Name:	Green Crack			Batch QC	Batch QC	140032-BLK	Detection Limit
	Oil						
Lab ID:	14C026-06			14C025-01	14C025-01 dup		
THC	575			215	212	ND	0.5 mg/g
CBD Cannabidiol	2.8			0.6	0.6	ND	0.5 mg/g
CBN Cannabinol	7.4			0.6	0.6	ND	0.5 mg/g
*CBC 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
*CBC4 Cannabichromene	22.6			3.5	3.4	ND	0.5 mg/g
*THCV Tetrahydrocannabivarin	4.7			3.9	3.6	ND	0.5 mg/g
*CBG Cannabigerol	55			5	5	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			0.6	0.6	ND	0.5 mg/g
*CBP ?Cannabipat	1.9			2.1	2.0	ND	0.5 mg/g
*CB1 ?Cannabi-one	ND			ND	ND	ND	0.5 mg/g
*CB2 ?THC-C1	0.9			0.4	0.3	ND	0.5 mg/g
*CB3 ?Cannabi-three	ND			0.7	0.7	ND	0.5 mg/g
*CB4 ?Cannabi-four	6.2			3.8	3.8	ND	0.5 mg/g
*CB5 ?Cannabi-five	3.6			0.4	0.4	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	ND			ND	ND	ND	0.5 mg/g
*CB10 ?Cannabi-ten	ND			ND	ND	ND	0.5 mg/g
Water (% moisture)	0.0%			5.1%	5.1%	NA	±0.2%
Surrogate % Recovery:	109%			88%	96%	95%	d6-Phenol
Extraction Date:	3/22/14			3/22/14	3/22/14	3/22/14	
Analysis Date:	3/25/14			3/25/14	3/25/14	3/25/14	

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 CBD.

? Compound has not been verified. NOTE: THCV Tetrahydrocannabivarin is THC-C3

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

GREEN CRACK OIL

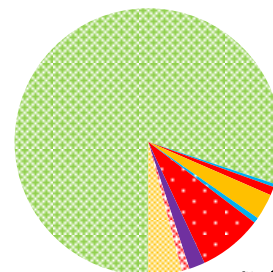
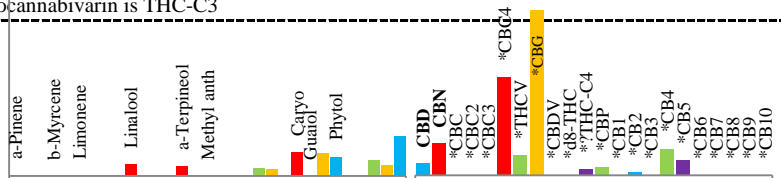
Mold by AOAC BAM: Pass

Pesticides by Method 8270 at 0.1ppm: Pass

Potency by Method 8270



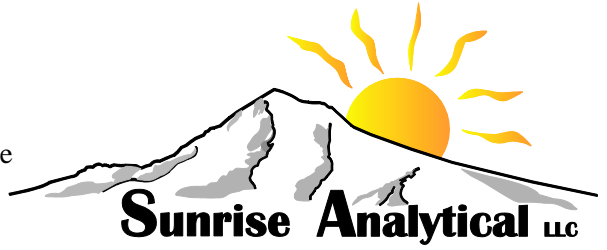
THC	57.5%
CBD	0.3%
CBN	0.7%
total CBC	2.3%
THCV	0.5%
CBG	5.5%
Other CB's	1.3%
Monoterpenes	0.7%
Sesquiterpenes	2.9%
Water	0%



GREEN CRACK OIL

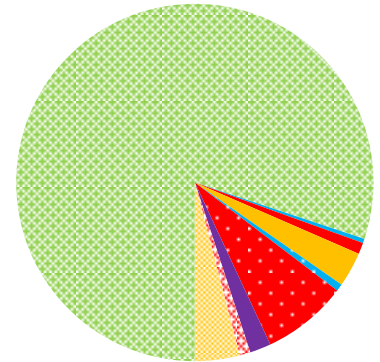
Mold by AOAC BAM: Pass
 Pesticides by Method 8270 at 0.1ppm: Pass
 Potency by Method 8270

Analysis Date
 3/20/14
 3/28/14
 3/25/14

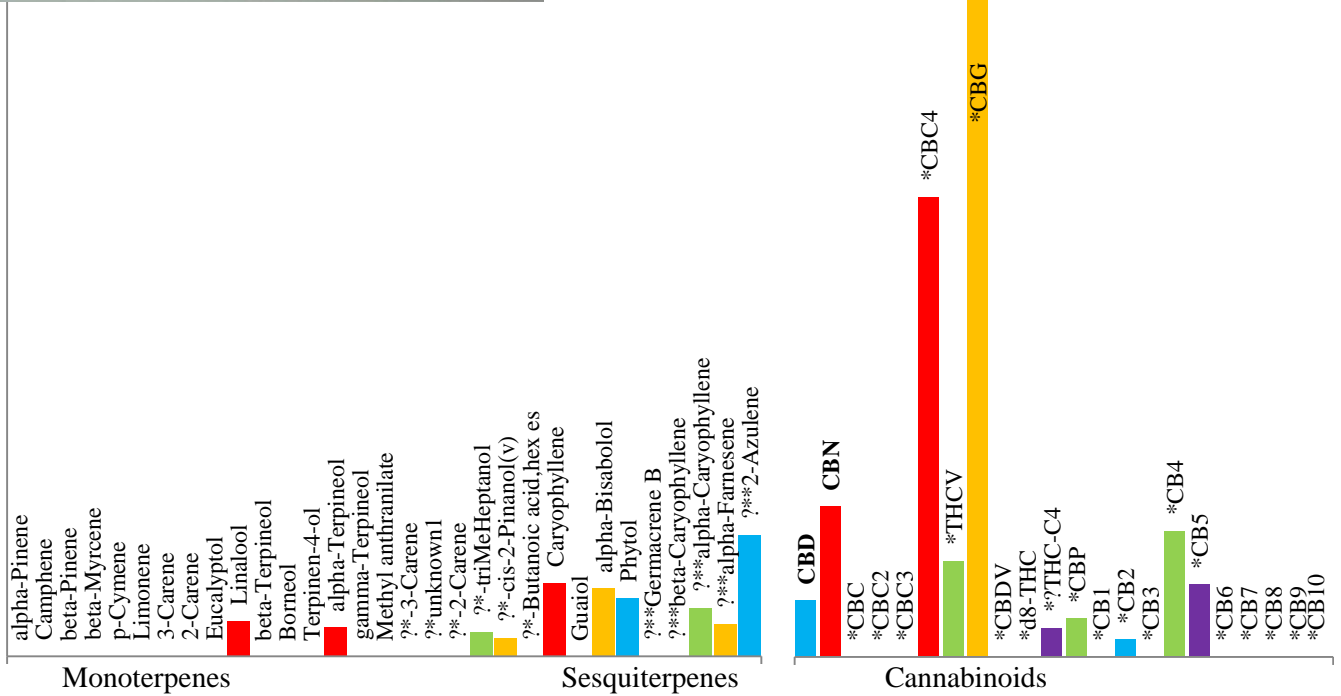


14C026-06

■	THC	57.5%
■	CBD	0.3%
■	CBN	0.7%
■	total CBC	2.3%
■	THCV	0.5%
■	CBG	5.5%
■	Other CB's	1.3%
■	Monoterpenes	0.7%
■	Sesquiterpenes	2.9%
■	Water	0%



Pie Chart based on Total Extractables



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