

Date: 3/24/15

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

Richard Reames

Terpene results for the sample received on 3/17/15.

Analysis by GC/MS (Mod 8270)

Sample Name: Mana				Batch QC	Batch QC		
Lab ID:	Gooley #23			15C027-01	15C027-01dup	150026-BLK	Detection Limit
alpha-Pinene	2.7			2.9	2.6	ND	0.2 mg/g
Camphene	ND			ND	ND	ND	0.2 mg/g
beta-Pinene	1.1			1.4	1.1	ND	0.2 mg/g
beta-Myrcene	0.6			20.5	19.0	ND	0.2 mg/g
p-Cymene	ND			ND	ND	ND	0.2 mg/g
Limonene	4.9			1.3	1.3	ND	0.2 mg/g
3-Carene	ND			ND	ND	ND	0.2 mg/g
2-Carene	ND			1.1	1.0	ND	0.2 mg/g
Eucalyptol	ND			ND	ND	ND	0.2 mg/g
Linalool	ND			0.4	0.3	ND	0.2 mg/g
cis-Ocimene	0.3			1.1	1.0	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	ND			0.3	0.3	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	21.0			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	0.4			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	35.0			34.0	33.0	ND	0.2 mg/g
Caryophyllene	0.6			1.2	1.0	ND	0.2 mg/g
Guaiol	ND			0.7	0.8	ND	0.2 mg/g
alpha-Bisabolol	0.2			0.5	0.4	ND	0.2 mg/g
Phytol	0.7			0.5	0.7	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	0.4			ND	ND	ND	0.2 mg/g
?**beta-Caryophyllene	ND			ND	ND	ND	0.2 mg/g
Humulene	0.3			0.5	0.5	ND	0.2 mg/g
?**alpha-Farnesene	0.2			0.4	0.4	ND	0.2 mg/g
?**2-Azulene	1.9			4.2	4.7	ND	0.2 mg/g
**?'Total Sesquiterpenes	23.0			31.0	29.0	ND	0.2 mg/g
Water (% moisture)	8.8%			7.4%	7.4%	NA	±0.2%
Surrogate % Recovery:	104%			104%	99%	91%	d6-Phenol
Extraction Date:	3/19/15			3/19/15	3/19/15	3/19/15	
Analysis Date:	3/20/15			3/20/15	3/20/15	3/20/15	

NA = Not Applicable

ND = Not Detected

Detection Limit is based on the dry weight equivalent.

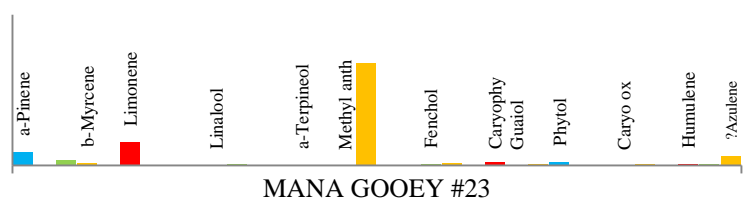
-BLK = The method blank associated with this batch.

-dup = The method duplicate associated with this batch.

*Compound concentration is estimated based on linalool.

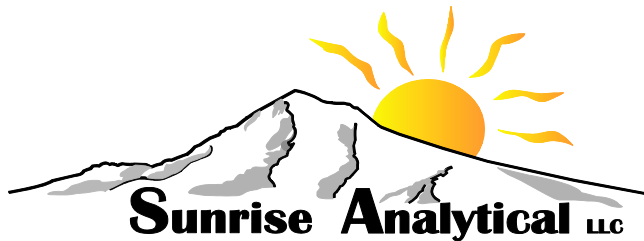
**Compound concentration is estimated based on caryophyllene.

? Compound has not been verified by standard.



Analyst: *Pat Marshall*
Sr. Chemist

Date: 3/24/15



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Cannabinoid results for the sample received on 3/17/15.

Analysis by GC/MS (Mod 8270)

Sample Name:		Gooley #23		Batch QC		Batch QC		150026-BLK		Detection Limit	
Lab ID:		15C031-02		15C027-01		15C027-01dup		150026-BLK		Detection Limit	
THC		166			106	102		ND		0.2 mg/g	
as THC		ND			ND	ND		ND		0.2 mg/g	
as THCA		188			120	115		ND		0.2 mg/g	
CBD Cannabidiol		0.4			115	112		ND		0.2 mg/g	
as CBD		ND			ND	ND		ND		0.2 mg/g	
as CBDA		0.5			130	127		ND		0.2 mg/g	
CBN Cannabinol		5.6			0.4	0.4		ND		0.2 mg/g	
*CBC1 Cannabichromene		ND			ND	ND		ND		0.2 mg/g	
*CBC2 Cannabichromene		ND			ND	ND		ND		0.2 mg/g	
*CBC3 Cannabichromene		ND			ND	ND		ND		0.2 mg/g	
CBC Cannabichromene		5.4			6.4	5.8		ND		0.2 mg/g	
*THCV Tetrahydrocannabivarin		1.8			0.6	0.6		ND		0.2 mg/g	
*CBG Cannabigerol		17			8	7		ND		0.2 mg/g	
*CBDV Cannabidivanol		ND			0.3	0.3		ND		0.2 mg/g	
delta-8-THC		ND			1.3	1.1		ND		0.2 mg/g	
*?THC-C4		0.2			ND	ND		ND		0.2 mg/g	
*CBP ?Cannabipat		1.0			0.6	0.5		ND		0.2 mg/g	
*CB1 ?CBD-C1		ND			ND	ND		ND		0.2 mg/g	
*CB2 ?THC-C1		0.5			ND	ND		ND		0.2 mg/g	
*CB3 ?Cannabi-three		ND			ND	ND		ND		0.2 mg/g	
*CB4 ?Cannabi-four		ND			ND	ND		ND		0.2 mg/g	
*CB5 ?Cannabi-five		ND			ND	ND		ND		0.2 mg/g	
*CB6 ?(Z)-CBG-C5		ND			ND	ND		ND		0.2 mg/g	
*CB7 ?Cannabi-seven		ND			0.9	0.9		ND		0.2 mg/g	
*CB8 ?Cannabi-eight		ND			ND	ND		ND		0.2 mg/g	
*CB9 ?Cannabi-nine		1.1			0.6	0.4		ND		0.2 mg/g	
*CB10 ?Cannabi-ten		ND			ND	ND		ND		0.2 mg/g	
*Wax1 ?C29		0.5			0.4	0.3		ND		0.2 mg/g	
*Wax2 ?C30		1.1			0.6	0.4		ND		0.2 mg/g	
Water (% moisture)		8.8%			7.4%	7.4%		NA	±0.2%		
Surrogate % Recovery:		104%			104%	99%		91%	d6-Phenol		
Extraction Date:		3/19/15			3/19/15	3/19/15		3/19/15			
Analysis Date:		3/20/15			3/20/15	3/20/15		3/20/15			

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.

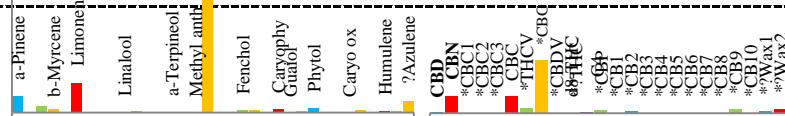
NOTE: THCV Tetrahydrocannabivarin is THC C3

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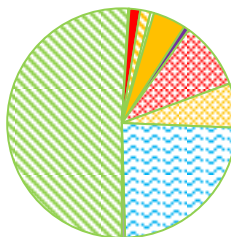
Date: 3/24/15

MANA GOOEY #23

Analysis Date: 3/20/15



THC	16.6%
as THC	0.00%
as THCA	18.8%
CBD	0.04%
as CBD	0.00%
as CBDA	0.05%
CBN	0.56%
total CBC	0.54%
THCV*	0.18%
CBG*	1.7%

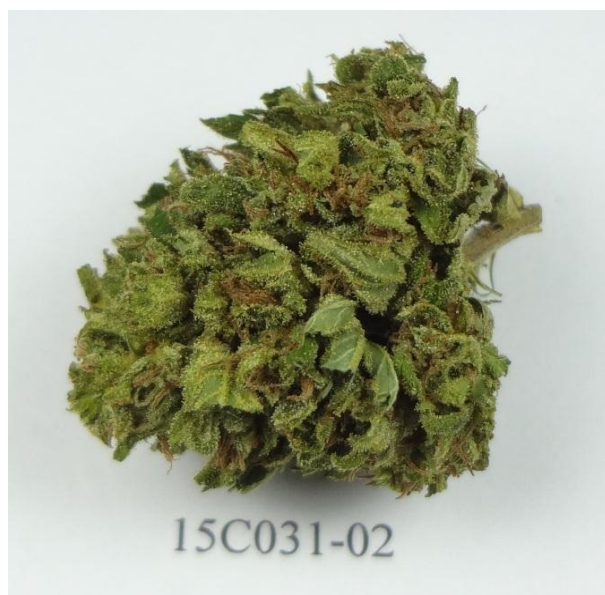
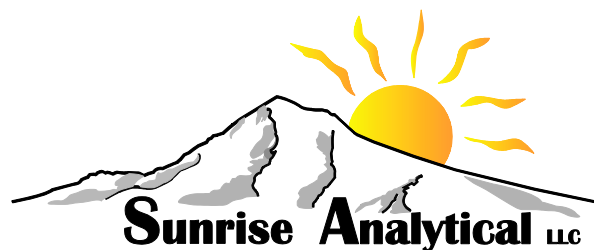


Wax	0.1%
Other CB's	0.2%
Monoterpenes	3.5%
Sesquiterpenes	2.3%
Water	8.8%

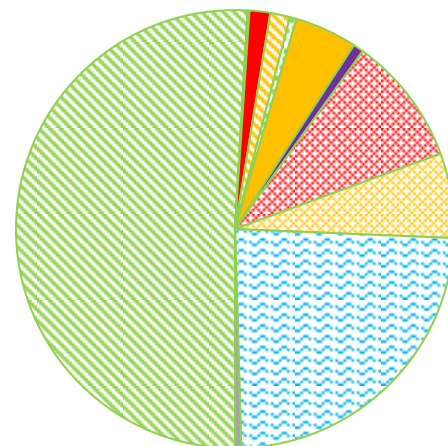


MANA GOOEY #23

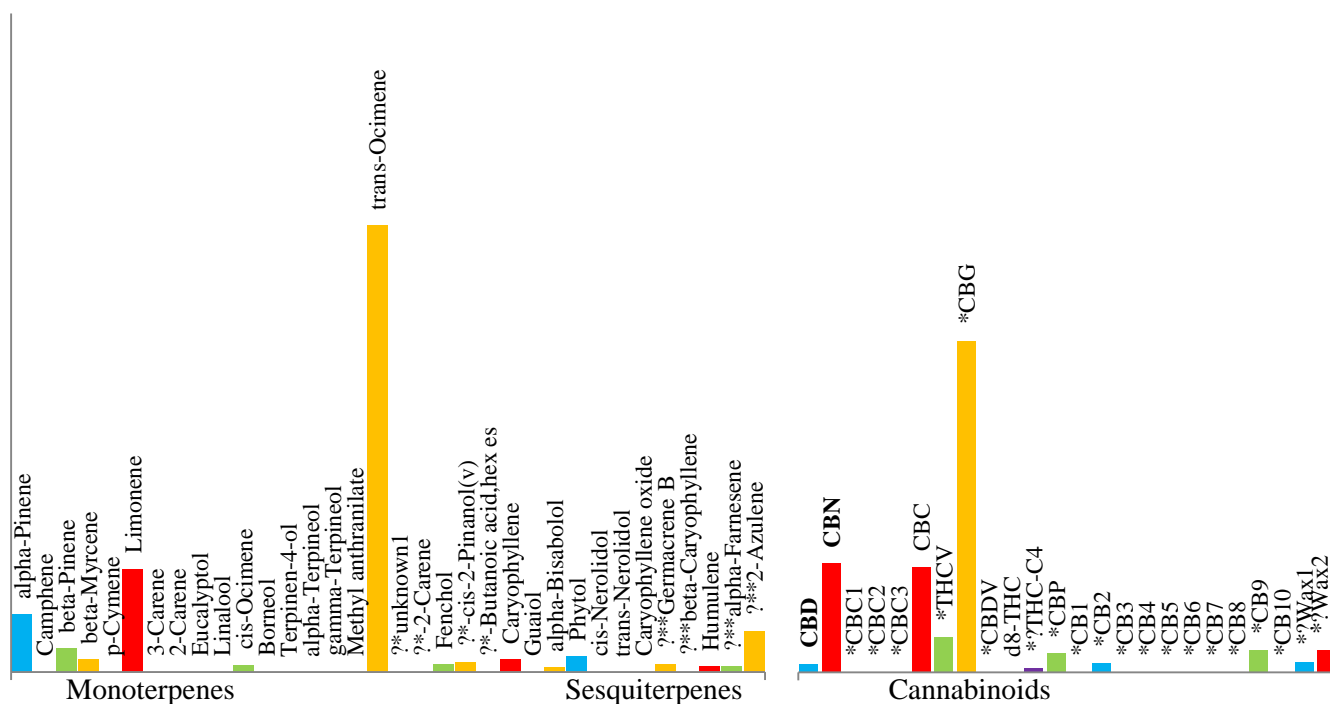
Analysis Date: 3/20/15
UV/Vis Inspection:
Method 8270:



THC	16.6%
as THC	0.00%
as THCA	18.8%
CBD	0.04%
as CBD	0.00%
as CBDA	0.05%
CBN	0.56%
total CBC	0.54%
THCV	0.18%
CBG	1.7%
Other CB's	0.2%
Monoterpenes	3.5%
Sesquiterpenes	2.3%
Water	8.8%
Wax	0.1%



Pie Chart based on Total Extractables



Strain Match
78% PURPLE GOD BUD
73% PURPLE
70% ATF
70% O GOD
69% CHAMPAGNE KUSH

From Lab ID
14B041-07
14A017-03
14D018-03
14A002-02
14A012-02

Notes:

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