

CERTIFICATE OF ANALYSIS



Juniper Analytics, LLC
 1334 NE 2nd Street, Bend, OR, 97701
 541.382.3796
 ORELAP: 4101-001 / OLCC: 10035537931

Client Name: Sun God Medicinals
 Contact Info: Brie
 Sample Type: Concentrate
 External Batch ID: 5467
 Harvest/Prod. Date: 43230
 Sample ID: Full Extract Cannabis Oil
 METRC ID: 1A4010300004FB2000005495
 Juniper Batch #: 18JA0878.01-18JA0878.32-Composite
 Intake Date: 6/15/18



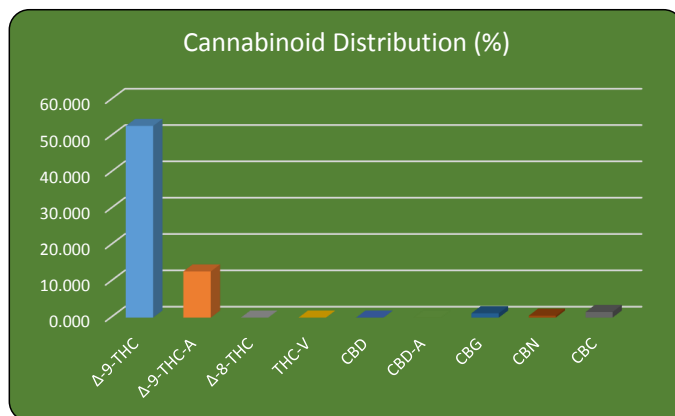
Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: See Individual Results

Instrument: HPLC/DAD

Method: JA-Potency-Proprietary

Compound	Weight (%)	Concentration (mg/g)	LOQ (mg/g)
Δ-9-THC	52.732	527.32	4.00
Δ-9-THC-A	12.678	126.78	4.00
Δ-8-THC	<LOQ	<LOQ	4.00
THC-V	<LOQ	<LOQ	4.00
CBD	<LOQ	<LOQ	4.00
CBD-A	<LOQ	<LOQ	4.00
CBG	1.187	11.87	4.00
CBN	0.504	5.04	4.00
CBC	1.533	15.33	4.00



TOTAL THC/CBD	Weight (%)	Conc (mg/g)	RSD
% THC Total =	63.850	638.50	2.75%
$\%THC_{Total} = (THC-A * 0.877) + \Delta 9THC$			PASS
% CBD Total =	<LOQ	<LOQ	
$\%CBD_{Total} = (CBD-A * 0.877) + CBD$			

Residual Solvent Analysis (Oregon Compliance Standard OAR 333-007-0410)

ANALYSIS DATE: See Individual Results

Instrument: GC/MS

Method: USP 467 - Modified

Solvent	Result (ppm)	RPD
1,4-Dioxane	*	N/A
2-Butanol	*	N/A
2-Ethoxyethanol	*	N/A
2-Propanol (IPA)	*	N/A
Acetone	*	N/A
Acetonitrile	*	N/A
Benzene	*	N/A
Cumene	*	N/A
Cyclohexane	*	N/A
Dichloromethane	*	N/A
Ethyl acetate	*	N/A
Ethyl ether	*	N/A
Ethylene glycol	*	N/A
Ethylene oxide	*	N/A
Heptane	*	N/A
Isopropyl acetate	*	N/A
Methanol	*	N/A
Propane	*	N/A
Tetrahydrofuran	*	N/A
Toluene	*	N/A

Solvent	Result (ppm)	RPD
Pentanes;	*	N/A
-n-pentane	*	**
-iso-pentane	*	**
-neo-pentane	*	**
Butanes;	*	N/A
-n-butane	*	**
-iso-butane	*	**
Hexanes;	*	N/A
-n-hexane	*	**
-2-methylpentane	*	**
-3-methylpentane	*	**
-2,2-dimethylbutane	*	**
-2,3-dimethylbutane	*	**
Xylenes;	*	N/A
-1,2-dimethylbenzene	*	**
-1,3-dimethylbenzene	*	**
-1,4-dimethylbenzene	*	**
-Ethyl benzene	*	**
**RPD calculated for combined results		

Residual Solvents Pass

Tentatively Identified Compounds: Peak 1: Hit 1-2 Ethanol

*N.D. - Compound Not Detected, or

*< LOQ - Less than the Limit of Quantification (Compound detected, but less than limit of quantification)

***Largest hit reported to appropriate governing body; RPD only calculated on samples where the average result is above 50% of the action level.

Approval

Brie Gustafson

Report Date: 6/25/18

QA Review



Juniper Batch #: 18JA0878.01-18JA0878.32-Composite

Intake Date: 6/15/18

Pesticide Analysis (Oregon Compliance Standard OAR 333-008-1190)

ANALYSIS DATE: See Individual Results			Instrument: LC/MS/MS		Method: AOAC 2007.1 ^{-modified}	
Pesticide	Result (ppm)	Action Level / LOQ (ppm)	Pesticide	Result (ppm)	Action Level / LOQ (ppm)	
Abamectin	<LOQ	0.5 / 0.25	Imazalil	<LOQ	0.2 / 0.10	
Acephate	<LOQ	0.4 / 0.20	Imidacloprid	<LOQ	0.4 / 0.20	
Acequinocyl	<LOQ	2.0 / 1.00	Kresoxim-methyl	<LOQ	0.4 / 0.20	
Acetamiprid	<LOQ	0.2 / 0.10	Malathion	<LOQ	0.2 / 0.10	
Aldicarb	<LOQ	0.4 / 0.20	Metalaxyl	<LOQ	0.2 / 0.10	
Azoxystrobin	<LOQ	0.2 / 0.10	Methiocarb	<LOQ	0.2 / 0.10	
Bifenazate	<LOQ	0.2 / 0.10	Methomyl	<LOQ	0.4 / 0.20	
Bifenthrin	<LOQ	0.2 / 0.10	Methyl Parathion	<LOQ	0.2 / 0.10	
Boscalid	<LOQ	0.4 / 0.20	MGK-264	<LOQ	0.2 / 0.10	
Carbaryl	<LOQ	0.2 / 0.10	Myclobutanil	<LOQ	0.2 / 0.10	
Carbofuran	<LOQ	0.2 / 0.10	Naled	<LOQ	0.5 / 0.25	
Chlorantraniliprole	<LOQ	0.2 / 0.10	Oxamyl	<LOQ	1.0 / 0.50	
Chlorfenapyr	<LOQ	1.0 / 0.50	Paclbutrazol	<LOQ	0.4 / 0.20	
Chlorpyrifos	<LOQ	0.2 / 0.10	Permethrins	<LOQ	0.2 / 0.10	
Clofentezine	<LOQ	0.2 / 0.10	Phosmet	<LOQ	0.2 / 0.10	
Cyfluthrin	<LOQ	1.0 / 0.50	Piperonyl butoxide	<LOQ	2.0 / 1.00	
Cypermethrin	<LOQ	1.0 / 0.50	Prallethrin	<LOQ	0.2 / 0.10	
Daminozide	<LOQ	1.0 / 0.50	Propiconazole	<LOQ	0.4 / 0.20	
DDVP (Dichlorvos)	<LOQ	1.0 / 0.50	Propoxur	<LOQ	0.2 / 0.10	
Diazinon	<LOQ	0.2 / 0.10	Pyrethrins	<LOQ	1.0 / 0.50	
Dimethoate	<LOQ	0.2 / 0.10	Pyridaben	<LOQ	0.2 / 0.10	
Ethoprophos	<LOQ	0.2 / 0.10	Spinosad	<LOQ	0.2 / 0.10	
Etofenprox	<LOQ	0.4 / 0.20	Spiromesifen	<LOQ	0.2 / 0.10	
Etoxazole	<LOQ	0.2 / 0.10	Spirotetramat	<LOQ	0.2 / 0.10	
Fenoxycarb	<LOQ	0.2 / 0.10	Spiroxamine	<LOQ	0.4 / 0.20	
Fenproximate	<LOQ	0.4 / 0.20	Tebuconazole	<LOQ	0.4 / 0.20	
Fipronil	<LOQ	0.4 / 0.20	Thiacloprid	<LOQ	0.2 / 0.10	
Flonicamid	<LOQ	1.0 / 0.50	Thiamethoxam	<LOQ	0.2 / 0.10	
Fludioxonil	<LOQ	0.4 / 0.20	Trifloxystrobin	<LOQ	0.2 / 0.10	
Hexythiazox	<LOQ	1.0 / 0.50				
Pesticide Screen	PASS					

LOQ= Limit of Quantification

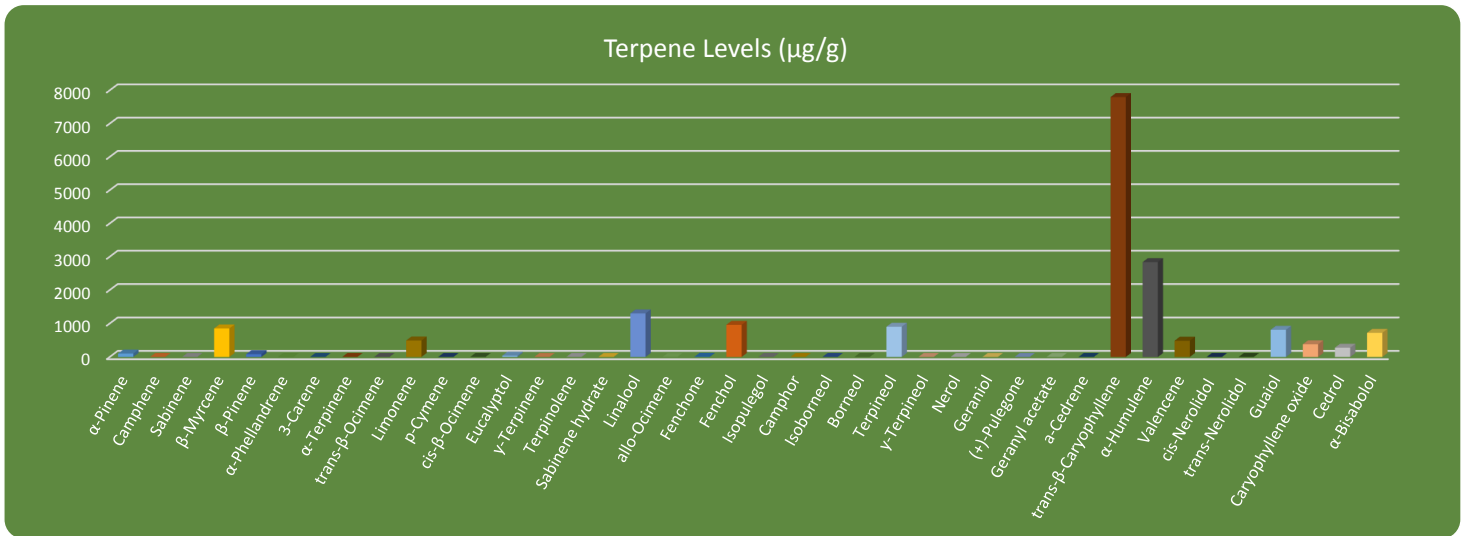
Microbiological Contaminants (Oregon Compliance Standard OAR 333-007-0390)

ANALYSIS DATE: Not Tested

Microbiological screening	Colony count	CFU/g	Results:
Total coliforms	Not tested	Not tested	N/A
<i>Escherichia coli</i> (E. coli)	Not tested	Not tested	N/A

Terpene Profile*

ANALYSIS DATE: See Individual Results			Instrument: GC/MS		Method: JA-Terpene-Proprietary	
Compound	µg/g	%	Compound	µg/g	%	
α-Pinene	101.39	0.010	Isopulegol	0.00	0.000	
Camphene	0.00	0.000	Camphor	0.00	0.000	
Sabinene	0.00	0.000	Isoborneol	0.00	0.000	
β-Myrcene	853.10	0.085	Borneol	0.00	0.000	
β-Pinene	82.81	0.008	Terpineol	904.50	0.090	
α-Phellandrene	0.00	0.000	γ-Terpineol	0.00	0.000	
3-Carene	0.00	0.000	Nerol	0.00	0.000	
α-Terpinene	0.00	0.000	Geraniol	0.00	0.000	
trans-β-Ocimene	0.00	0.000	(+)-Pulegone	0.00	0.000	
Limonene	491.61	0.049	Geranyl acetate	0.00	0.000	
p-Cymene	0.00	0.000	a-Cedrene	0.00	0.000	
cis-β-Ocimene	0.00	0.000	trans-β-Caryophyllene	7798.93	0.780	
Eucalyptol	39.54	0.004	α-Humulene	2836.43	0.284	
γ-Terpinene	0.00	0.000	Valencene	485.78	0.049	
Terpinolene	0.00	0.000	cis-Nerolidol	0.00	0.000	
Sabinene hydrate	0.00	0.000	trans-Nerolidol	0.00	0.000	
Linalool	1302.72	0.130	Guaiol	812.91	0.081	
allo-Ocimene	0.00	0.000	Caryophyllene oxide	378.41	0.038	
Fenchone	4.37	0.000	Cedrol	277.87	0.028	
Fenchol	961.50	0.096	α-Bisabolol	721.93	0.072	
			TOTAL	18053.81	1.805	



*Terpene results from sample 18JA0878.01

Batch QC WorkGroup ID:

Potency See Individual Results

Residual Solvents See Individual Results

Pesticides See Individual Results

Disclaimer

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