

# 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  
 Sample ID: AC/DC Hemp Concentrate  
 METRC ID: Hemp

Juniper Batch #: 17JA5929.11-17JA5929.12-Composite  
 Intake Date: 12/18/2017



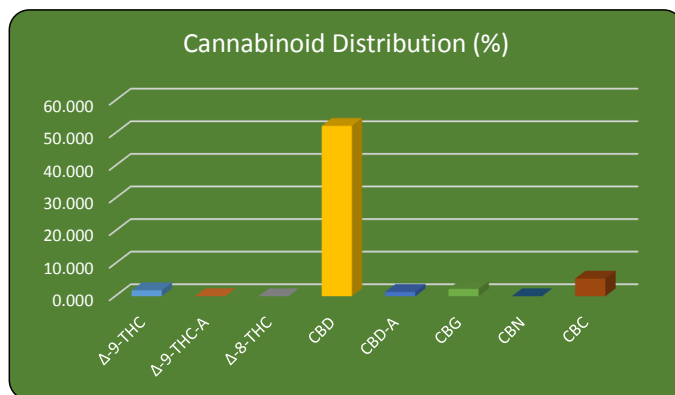
## Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: See Individual Results

Instrument: HPLC/DAD

Method: JA-Potency-Proprietary

Compound	Weight (%)	Concentration (mg/g)	LOQ (mg/g)
Δ-9-THC	1.822	18.22	0.40
Δ-9-THC-A	<LOQ	<LOQ	0.35
Δ-8-THC	<LOQ	<LOQ	0.32
CBD	52.265	522.65	0.46
CBD-A	1.326	13.26	1.53
CBG	2.246	22.46	0.36
CBN	<LOQ	<LOQ	0.78
CBC	5.392	53.92	0.69



TOTAL THC/CBD	Weight (%)	Conc (mg/g)	RPD
% THC Total =	1.822	18.22	8.91%
%THC <sub>Total</sub> = (THC-A * 0.877) + Δ9THC + Δ8THC			PASS
% CBD Total =	53.427	534.27	
%CBD <sub>Total</sub> = (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
<b>Pentanes;</b>	*	N/A
-n-pentane	*	**
-iso-pentane	*	**
-neo-pentane	*	**
<b>Butanes;</b>	*	N/A
-n-butane	*	**
-iso-butane	*	**
<b>Hexanes;</b>	*	N/A
-n-hexane	*	**
-2-methylpentane	*	**
-3-methylpentane	*	**
-2,2-dimethylbutane	*	**
-2,3-dimethylbutane	*	**
<b>Xylenes;</b>	*	N/A
-1,2-dimethylbenzene	*	**
-1,3-dimethylbenzene	*	**
-1,4-dimethylbenzene	*	**
-Ethyl benzene	*	**
**RPD calculated for combined results		

Residual Solvents: PASS

Tentatively Identified Compounds: 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

*Stephen M.*

Report Date: 12/27/2017

QA Review

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

ANALYSIS DATE: See Individual Results			Instrument: LC/MS/MS		Method: AOAC 2007.1 <sup>-modified</sup>	
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	Paclobutrazol	<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	
Etoazole	<LOQ	0.2 / 0.10	Spirotetramat	<LOQ	0.2 / 0.10	
Fenoxycarb	<LOQ	0.2 / 0.10	Spiroxamine	<LOQ	0.4 / 0.20	
Fenpyroximate	<LOQ	0.4 / 0.20	Tebuconazole	<LOQ	0.4 / 0.20	
Fipronil	<LOQ	0.4 / 0.20	Thiacloprid	<LOQ	0.2 / 0.10	
Fonicamid	<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				
<b>Pesticide Screen</b>	<b>PASS</b>					

LOQ= Limit of Quantification

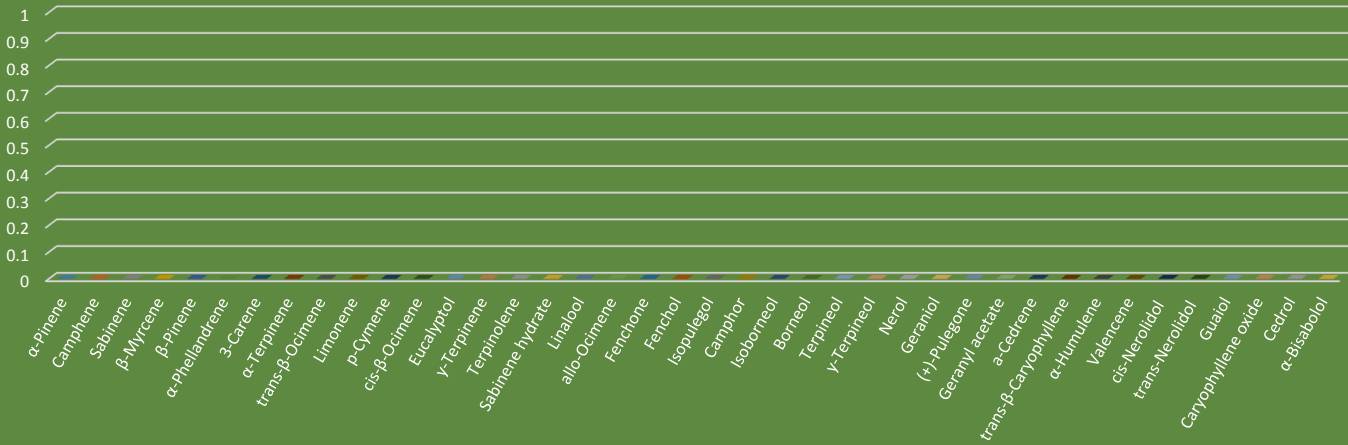
**Microbiological Contaminants (Oregon Compliance Standard OAR 333-007-0390)**

ANALYSIS DATE: Not Tested			
Microbiological screening	Colony count	CFU/g	Results:
Total coliforms	Not tested	Not tested	N/A
Escherichia coli (E-coli)	Not tested	Not tested	N/A

### Terpene Profile

ANALYSIS DATE: Not Tested			Instrument: GC/MS			Method: JA-Terpene-Proprietary		
Compound	µg/g	%	Compound	µg/g	%	Compound	µg/g	%
α-Pinene			Isopulegol					
Camphene			Camphor					
Sabinene			Isoborneol					
β-Myrcene			Borneol					
β-Pinene			Terpineol					
α-Phellandrene			γ-Terpineol					
3-Carene			Nerol					
α-Terpinene			Geraniol					
trans-β-Ocimene			(+)-Pulegone					
Limonene			Geranyl acetate					
p-Cymene			α-Cedrene					
cis-β-Ocimene			trans-β-Caryophyllene					
Eucalyptol			α-Humulene					
γ-Terpinene			Valencene					
Terpinolene			cis-Nerolidol					
Sabinene hydrate			trans-Nerolidol					
Linalool			Guaiol					
allo-Ocimene			Caryophyllene oxide					
Fenchone			Cedrol					
Fenchol			α-Bisabolol					
			TOTAL					

### Terpene Levels (µg/g)



**Batch QC WorkGroup ID:**

**Potency** See Individual Results

**Residual Solvents** See Individual Results

**Pesticides** See Individual Results

### Disclaimer

The results within this report apply only to the product tested and batched under the batch number identified above. These test results are for the exclusive use of the above named individual or entity. This report must not be altered, and may not be reproduced, except in their entirety, without written consent of Juniper Analytics, LLC. Requests for information regarding these results should be referred to the aforementioned individual or entity.