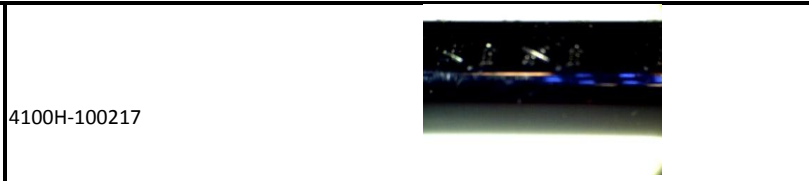


# CERTIFICATE OF ANALYSIS



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: Special Sauce Hemp Concentrate  
 METRC ID: Hemp  
 Juniper Batch #: 17JA5661.05-17JA5661.06-Composite  
 Intake Date: 10/30/2017



4100H-100217

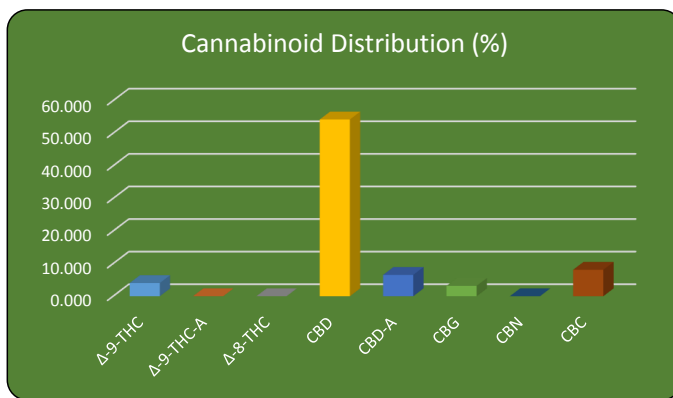
## Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: See Individual Results

Instrument: HPLC/DAD

Method: JA-Potency-Proprietary

Compound	Weight (%)	Concentration (mg/g)	LOQ (mg/g)
Δ-9-THC	4.057	40.57	0.32
Δ-9-THC-A	<LOQ	<LOQ	0.28
Δ-8-THC	<LOQ	<LOQ	0.26
CBD	54.226	542.26	0.37
CBD-A	6.547	65.47	1.22
CBG	3.182	31.82	0.29
CBN	<LOQ	<LOQ	0.62
CBC	8.111	81.11	0.56



TOTAL THC/CBD	Weight (%)	Conc (mg/g)	RPD
% THC Total =	4.057	40.57	7.70%
%THC <sub>Total</sub> = (THC-A * 0.877) + Δ9THC + Δ8THC			PASS
% CBD Total =	59.968	599.68	
%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: Peak 1; Hits: 2-methyl-2-propanol, 2-methyl-1-nitropropane  
 Peak 2; Hits: 2-ethoxy-2-methylpropane  
 Peak 3; Hits: 4-methylheptane, 2,3-dimethylhexane, 2,3,4-trimethylpentane  
 Peak 4; Hits: 2,4-dimethyl-1-heptene

\*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

*Casey E.*

Report Date: 11/7/2017

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	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	
Fenproxiimate	<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				
<b>Pesticide Screen</b>	<b>PASS</b>					

LOQ= Limit of Quantification

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

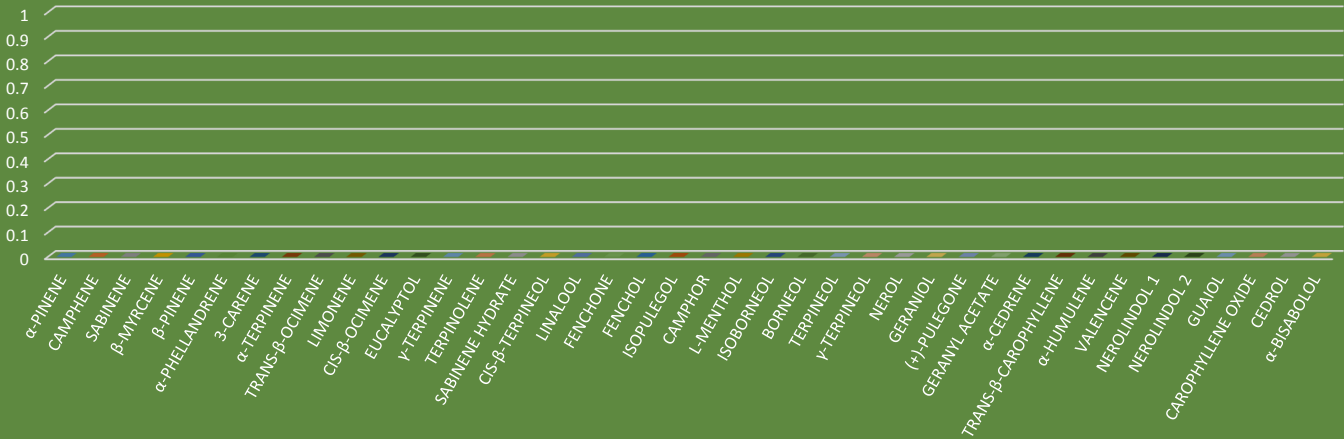
ANALYSIS DATE: Not Tested

Microbiological screening	Colony count	CFU/g	Results:
Total coliforms	Not tested	Not tested	N/A
Esherichia 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			CAMPHOR					
CAMPHENE			L-MENTHOL					
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					
CIS-β-OCIMENE			α-CEDRENE					
EUCALYPTOL			TRANS-β-CAROPHYLLENE					
γ-TERPINENE			α-HUMULENE					
TERPINOLENE			VALENCENE					
SABINENE HYDRATE			NEROLINDOL 1					
CIS-β-TERPINEOL			NEROLINDOL 2					
LINALOOL			GUAIOL					
FENCHONE			CAROPHYLLENE OXIDE					
FENCHOL			CEDROL					
ISOPULEGOL			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.