

CERTIFICATE OF ANALYSIS



JuniperAnalytics
INTEGRITY AND ACCURACY IN EVERY STEP

Juniper Analytics, LLC
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ORELAP: 4101-001 / OLCC: 10035537931

Client Name:	Sun God Medicinals
Contact Info:	Brie
Sample Type:	Concentrate
External Batch ID:	6159
Harvest/Prod. Date:	5/31/2018
Sample ID:	Cannabis THC Sativa Pineapple Express
METRC ID:	1A4010300004FB2000006163
Juniper Batch #:	18JA1062.01-18JA1062.02-Composite
Intake Date:	7/16/2018



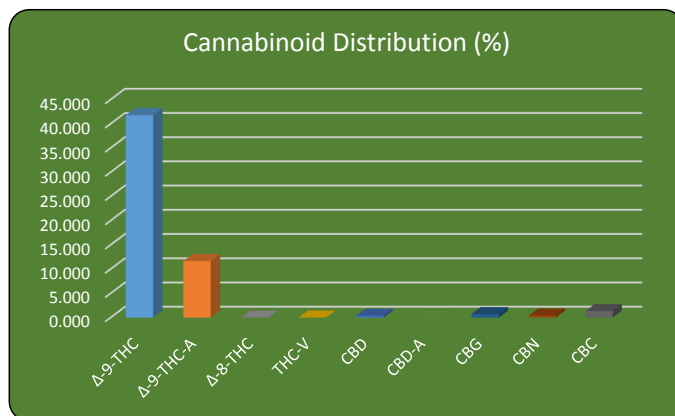
Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: See Individual Results

Instrument: HPLC/DAD

Method: JA-Potency-Proprietary

Compound	Weight (%)	Concentration (mg/g)	LOQ (mg/g)
Δ-9-THC	41.784	417.84	2.00
Δ-9-THC-A	11.649	116.49	2.00
Δ-8-THC	<LOQ	<LOQ	2.00
THC-V	<LOQ	<LOQ	2.00
CBD	0.356	3.56	2.00
CBD-A	<LOQ	<LOQ	2.00
CBG	0.706	7.06	2.00
CBN	0.405	4.05	2.00
CBC	1.339	13.39	2.00



TOTAL THC/CBD	Weight (%)	Conc (mg/g)	RPD
% THC Total =	52.001	520.01	5.46%
$\%THC_{Total} = (THC-A * 0.877) + \Delta 9THC$			PASS
% CBD Total =	0.356	3.56	
$\%CBD_{Total} = (CBD-A * 0.877) + CBD$			

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	<LOQ	N/A
2-Butanol	<LOQ	N/A
2-Ethoxyethanol	<LOQ	N/A
2-Propanol (IPA)	<LOQ	N/A
Acetone	<LOQ	N/A
Acetonitrile	<LOQ	N/A
Benzene	<LOQ	N/A
Cumene	<LOQ	N/A
Cyclohexane	<LOQ	N/A
Dichloromethane	<LOQ	N/A
Ethyl acetate	<LOQ	N/A
Ethyl ether	<LOQ	N/A
Ethylene glycol	<LOQ	N/A
Ethylene oxide	<LOQ	N/A
Heptane	<LOQ	N/A
Isopropyl acetate	<LOQ	N/A
Methanol	<LOQ	N/A
Propane	<LOQ	N/A
Tetrahydrofuran	<LOQ	N/A
Toluene	<LOQ	N/A

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

Residual Solvents **PASS**

Tentatively Identified Compounds: Peak 1: Hit 1: Ethanol

<LOQ - Less than the 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

[Signature]

Report Date: 7/19/2018

QA Review



Juniper Batch #: 18JA1062.01-18JA1062.02-Composite
 Intake Date: 7/16/2018

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	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	
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)

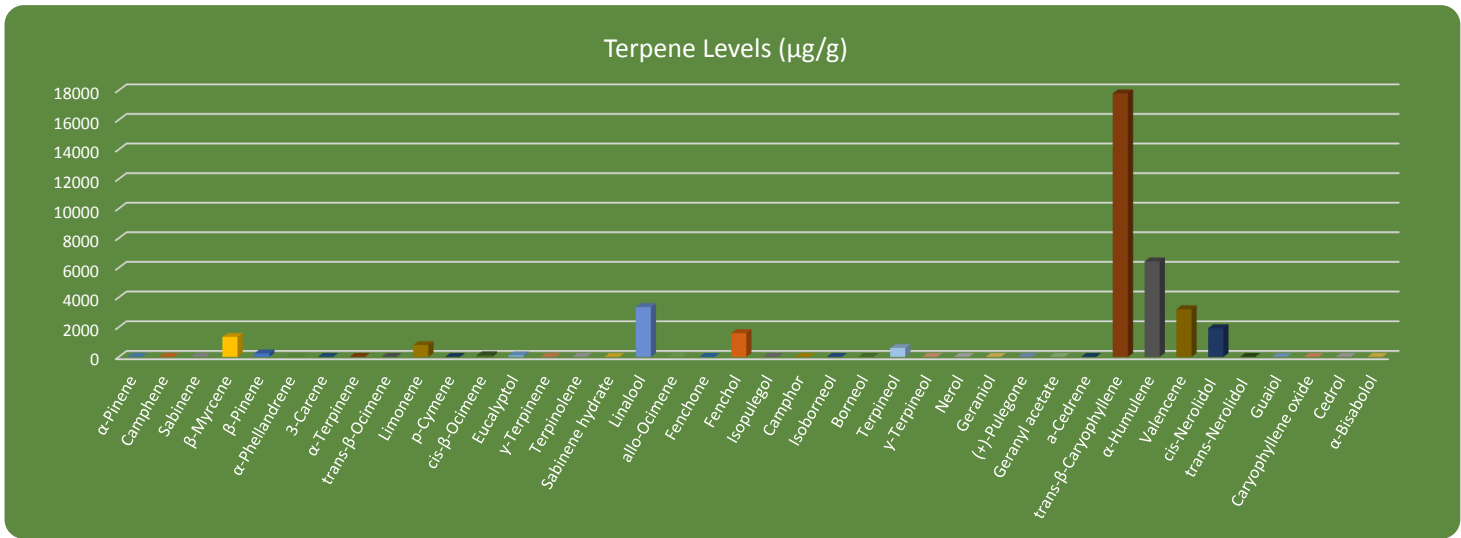
ANALYSIS DATE: Not Tested			
Microbiological screening	Colony count	CFU/g	Results:
Total coliforms	Not tested	Not tested	N/A
Escherichia coli (E. coli)	Not tested	Not tested	N/A



Juniper Batch #: 18JA1062.01-18JA1062.02-Composite
 Intake Date: 7/16/2018

Terpene Profile*

ANALYSIS DATE: See Individual Results			Instrument: GC/MS		Method: JA-Terpene-Proprietary	
Compound	µg/g	%	Compound	µg/g	%	
α-Pinene	0	0.000	Isopulegol	0	0.000	
Camphene	0	0.000	Camphor	0	0.000	
Sabinene	0	0.000	Isoborneol	0	0.000	
β-Myrcene	1348.87	0.135	Borneol	0	0.000	
β-Pinene	236.83	0.024	Terpineol	609.25	0.061	
α-Phellandrene	0	0.000	γ-Terpineol	0	0.000	
3-Carene	0	0.000	Nerol	0	0.000	
α-Terpinene	0	0.000	Geraniol	0	0.000	
trans-β-Ocimene	0	0.000	(+)-Pulegone	0	0.000	
Limonene	797.17	0.080	Geranyl acetate	0	0.000	
p-Cymene	0	0.000	a-Cedrene	0	0.000	
cis-β-Ocimene	118.76	0.012	trans-β-Caryophyllene	17791.96	1.779	
Eucalyptol	108.78	0.011	α-Humulene	6435.01	0.644	
γ-Terpinene	0	0.000	Valencene	3208.36	0.321	
Terpinolene	0	0.000	cis-Nerolidol	1934.97	0.193	
Sabinene hydrate	0	0.000	trans-Nerolidol	0	0.000	
Linalool	3362.41	0.336	Guaiol	0	0.000	
allo-Ocimene	0	0.000	Caryophyllene oxide	0	0.000	
Fenchone	0	0.000	Cedrol	0	0.000	
Fenchol	0	0.000	α-Bisabolol	0	0.000	
Fenchol	1605.07	0.161	TOTAL	37557.44	3.756	



*Terpene results from sample 18JA1062.01

Batch QC WorkGroup ID:

- Potency See Individual Results
- Residual Solvents See Individual Results
- Pesticides See Individual Results

Disclaimer

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