

**CERTIFICATE OF ANALYSIS**



Juniper Analytics, LLC  
 1334 NE 2nd Street, Bend, OR, 97701  
 541.382.3796  
 ORELAP: 4101 / OLCC: 010-10035537931

Client Name: ██████████  
 Contact Info: Phillip  
 Sample Type: Extract  
 External Batch ID: 2  
 Harvest/Prod. Date: 2020-01-20  
 Sample ID: Amber Terps  
 METRC ID: Personal  
 Juniper Batch #: 20JA0161.02  
 Intake Date: 2020-01-21

**NOT FOR COMPLIANCE**

Sample not sampled per  
 OAR 333-064-0100

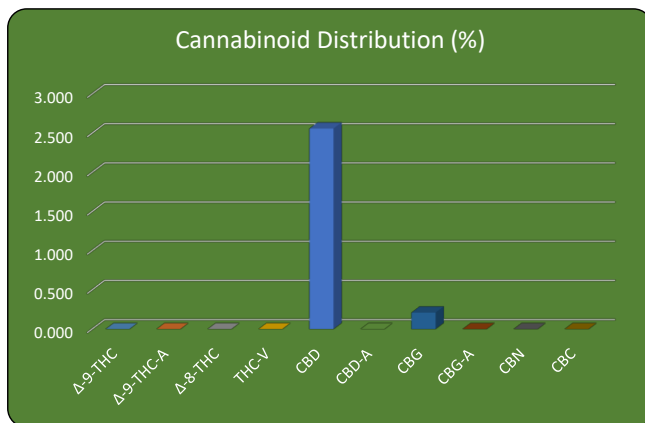


**Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)**

ANALYSIS DATE: 2020-01-22

Compound	Weight (%)	Concentration (mg/g)	LOQ* (mg/g)
Δ-9-THC	< LOQ	< LOQ	1.00
Δ-9-THC-A	< LOQ	< LOQ	1.00
Δ-8-THC	< LOQ	< LOQ	1.00
THC-V	< LOQ	< LOQ	1.00
CBD	2.561	25.61	1.00
CBD-A	< LOQ	< LOQ	1.00
CBG	0.212	2.12	1.00
CBG-A	< LOQ	< LOQ	1.00
CBN	< LOQ	< LOQ	1.00
CBC	< LOQ	< LOQ	1.00

Instrument: HPLC/DAD  
 Method: JA-Potency-Proprietary



TOTAL THC/CBD	Weight (%)	Conc (mg/g)
THC Total =	<LOQ	<LOQ

THC<sub>Total</sub> = (THC-A \* 0.877) + Δ9THC

CBD Total =	2.561	25.61
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CBD<sub>Total</sub> = (CBD-A \* 0.877) + CBD

\* < LOQ - Less than the Limit of Quantification

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

ANALYSIS DATE: 2020-01-22

Solvent	Result (ppm)	Action Level / LOQ (ppm)
1,4-Dioxane	<LOQ	380 / 100
2-Butanol	<LOQ	5000 / 500
2-Ethoxyethanol	<LOQ	160 / 100
2-Propanol (IPA)	<LOQ	5000 / 500
Acetone	<LOQ	5000 / 500
Acetonitrile	<LOQ	410 / 100
Benzene	<LOQ	2 / 1
Cumene	<LOQ	70 / 50
Cyclohexane	<LOQ	3880 / 500
Dichloromethane	<LOQ	600 / 100
Ethyl acetate	657	5000 / 500
Ethyl ether	<LOQ	5000 / 500
Ethylene glycol	388	620 / 300
Ethylene oxide	<LOQ	50 / 10
Heptane	<LOQ	5000 / 500
Isopropyl acetate	<LOQ	5000 / 500
Methanol	<LOQ	3000 / 500
Propane	<LOQ	5000 / 500
Tetrahydrofuran	<LOQ	720 / 100
Toluene	<LOQ	890 / 100

Instrument: GC/MS Method: USP 467 - Modified

Solvent	Result (ppm)	Action Level / LOQ (ppm)
<b>Pentanes;</b>	<LOQ	5000 / 500
-n-pentane	<LOQ	**
-iso-pentane	<LOQ	**
-neo-pentane	<LOQ	**
<b>Butanes;</b>	<LOQ	5000 / 500
-n-butane	<LOQ	**
-iso-butane	<LOQ	**
<b>Hexanes;</b>	<LOQ	290 / 50
-n-hexane	<LOQ	**
-2-methylpentane	<LOQ	**
-3-methylpentane	<LOQ	**
-2,2-dimethylbutane	<LOQ	**
-2,3-dimethylbutane	<LOQ	**
<b>Xylenes;</b>	<LOQ	2170 / 300
-1,2-dimethylbenzene	<LOQ	**
-1,3-dimethylbenzene	<LOQ	**
-1,4-dimethylbenzene	<LOQ	**
-Ethyl benzene	<LOQ	**

\*\*Limit based on combined results

Residual Solvents **PASS**

Tentatively Identified Compounds: Peak 1: Hits 1-3: Ethanol; Peak 2: Hits 1-4: Acetic acid; Peak 3: Hits 1-2: Propylene glycol, Hit 3: (S)-(+)-1,2-Propanediol; Peak 4: Hit 1: 2,3-Butanediol, [R-(R\*,R\*)]-, Hit 2: 2,3-Butanediol, [S-(R\*,R\*)]-, Hits 3-4: 2,3-Butanediol; Peak 5: Hit 1: 1-Hexanol

<LOQ - Less than the Limit of Quantification

**APPROVAL**

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 QA Review

Report Date: 2020-01-24



Juniper Batch #:	20JA0161.02
Intake Date:	2020-01-21

### Pesticide Analysis (Oregon Compliance Standard OAR 333-007-0400)

ANALYSIS DATE: 2020-01-23		Instrument: LC/MS/MS		Method: AOAC 2007.1-Mod	
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
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:
<b>Total coliforms</b>	Not tested	Not tested	N/A
<b>Escherichia coli (E. coli)</b>	Not tested	Not tested	N/A

### Terpene Profile

ANALYSIS DATE: 1/22/2020 & 1/23/2020

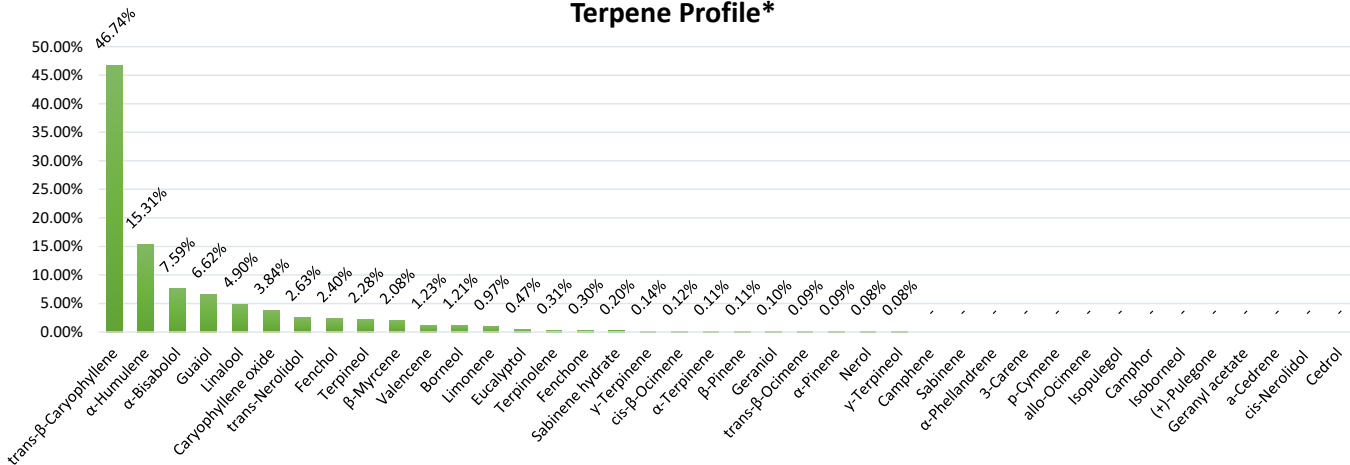
Instrument: GC/MS

Method: JA-Terpene-Proprietary

Compound	µg/g	%
α-Pinene	305.52	0.031
Camphene	<LOQ	<LOQ
Sabinene	<LOQ	<LOQ
β-Myrcene	7276.71	0.728
β-Pinene	369.68	0.037
α-Phellandrene	<LOQ	<LOQ
3-Carene	<LOQ	<LOQ
α-Terpinene	375.79	0.038
trans-β-Ocimene	331.49	0.033
Limonene	3397.38	0.340
p-Cymene	<LOQ	<LOQ
cis-β-Ocimene	420.09	0.042
Eucalyptol	1649.04	0.165
γ-Terpinene	499.52	0.050
Terpinolene	1082.30	0.108
Sabinene hydrate	695.82	0.070
Linalool	17105.27	1.711
allo-Ocimene	<LOQ	<LOQ
Fenchone	1051.75	0.105
Fenchol	8384.98	0.838

Compound	µg/g	%
Isopulegol	<LOQ	<LOQ
Camphor	<LOQ	<LOQ
Isoborneol	<LOQ	<LOQ
Borneol	4228.39	0.42
Terpineol	7948.85	0.79
γ-Terpineneol	263.51	0.03
Nerol	291.01	0.03
Geraniol	356.69	0.04
(+)-Pulegone	<LOQ	<LOQ
Geranyl acetate	<LOQ	<LOQ
a-Cedrene	<LOQ	<LOQ
trans-β-Caryophyllene	163185.54	16.32
α-Humulene	53441.07	5.34
Valencene	4283.38	0.43
cis-Nerolidol	<LOQ	<LOQ
trans-Nerolidol	9184.68	0.92
Guaiol	23100.32	2.31
Caryophyllene oxide	13422.23	1.34
Cedrol	<LOQ	<LOQ
α-Bisabolol	26504.57	2.65
<b>TOTAL</b>	<b>349155.57</b>	<b>34.916</b>

### Terpene Profile\*



\* Profile expressed as a percent of total terpenes

Batch QC WorkGroup ID:

Potency PO-2020-01-21-02

Residual Solvents RS-2020-01-21-01

Pesticide Pest-2020-01-21-02

### Disclaimer

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