

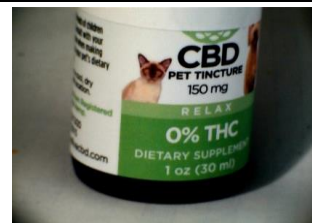
# CERTIFICATE OF ANALYSIS



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

Client Name: DC Laboratories  
 Contact Info: Stephen  
 Sample Type: Cannabinoid  
 External Batch ID: BA-77133  
 Harvest/Prod. Date: NA  
 Sample ID: Pet Tincture  
 METRC ID: Personal  
 Juniper Batch #: **19JA0131.02**  
 Intake Date: **2/12/19**

**NOT FOR COMPLIANCE**  
 For informational purposes only



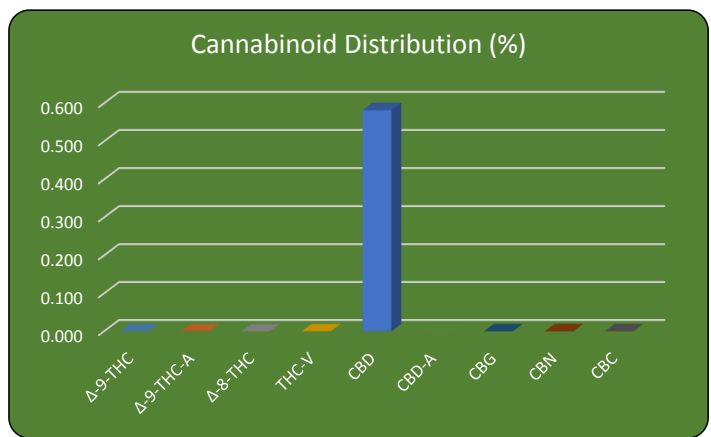
## Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: 2/14/19

Instrument: HPLC/DAD

Method: JA-Potency-Proprietary

Compound	Weight (%)	Concentration (mg/g)	LOQ* (mg/g)
Δ-9-THC	< LOQ	< LOQ	0.50
Δ-9-THC-A	< LOQ	< LOQ	0.50
Δ-8-THC	< LOQ	< LOQ	0.50
THC-V	< LOQ	< LOQ	0.50
CBD	0.586	5.86	0.50
CBD-A	< LOQ	< LOQ	0.50
CBG	< LOQ	< LOQ	0.50
CBN	< LOQ	< LOQ	0.50
CBC	< LOQ	< LOQ	0.50



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

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

CBD Total =	0.586	5.86
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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: 2/14/19

Instrument: GC/MS

Method: USP 467 - Modified

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	<LOQ	5000 / 500
Ethyl ether	<LOQ	5000 / 500
Ethylene glycol	<LOQ	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

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: None detected

<LOQ - Less than the Limit of Quantification

### APPROVAL

*Paul Curtis*

Report Date: 2/14/19

QA Review



Juniper Batch #:	119JA0131.02
Intake Date:	2/12/19

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

ANALYSIS DATE: Not Tested			Instrument: LC/MS/MS		Method: AOAC 2007.1-Mod	
Pesticide	Result (ppm)	Action Level / LOQ (ppm)		Pesticide	Result (ppm)	Action Level / LOQ (ppm)
Abamectin		0.5 / 0.25		Imazalil		0.2 / 0.10
Acephate		0.4 / 0.20		Imidacloprid		0.4 / 0.20
Acequinocyl		2.0 / 1.00		Kresoxim-methyl		0.4 / 0.20
Acetamiprid		0.2 / 0.10		Malathion		0.2 / 0.10
Aldicarb		0.4 / 0.20		Metalaxyl		0.2 / 0.10
Azoxystrobin		0.2 / 0.10		Methiocarb		0.2 / 0.10
Bifenazate		0.2 / 0.10		Methomyl		0.4 / 0.20
Bifenthrin		0.2 / 0.10		Methyl Parathion		0.2 / 0.10
Boscalid		0.4 / 0.20		MGK-264		0.2 / 0.10
Carbaryl		0.2 / 0.10		Myclobutanil		0.2 / 0.10
Carbofuran		0.2 / 0.10		Naled		0.5 / 0.25
Chlorantraniliprole		0.2 / 0.10		Oxamyl		1.0 / 0.50
Chlorfenapyr		1.0 / 0.50		Paclobutrazol		0.4 / 0.20
Chlorpyrifos		0.2 / 0.10		Permethrins		0.2 / 0.10
Clofentezine		0.2 / 0.10		Phosmet		0.2 / 0.10
Cyfluthrin		1.0 / 0.50		Piperonyl butoxide		2.0 / 1.00
Cypermethrin		1.0 / 0.50		Prallethrin		0.2 / 0.10
Daminozide		1.0 / 0.50		Propiconazole		0.4 / 0.20
DDVP (Dichlorvos)		1.0 / 0.50		Propoxur		0.2 / 0.10
Diazinon		0.2 / 0.10		Pyrethrins		1.0 / 0.50
Dimethoate		0.2 / 0.10		Pyridaben		0.2 / 0.10
Ethoprophos		0.2 / 0.10		Spinosad		0.2 / 0.10
Etofenprox		0.4 / 0.20		Spiromesifen		0.2 / 0.10
Etoxazole		0.2 / 0.10		Spirotetramat		0.2 / 0.10
Fenoxycarb		0.2 / 0.10		Spiroxamine		0.4 / 0.20
Fenproximate		0.4 / 0.20		Tebuconazole		0.4 / 0.20
Fipronil		0.4 / 0.20		Thiacloprid		0.2 / 0.10
Flonicamid		1.0 / 0.50		Thiamethoxam		0.2 / 0.10
Fludioxonil		0.4 / 0.20		Trifloxystrobin		0.2 / 0.10
Hexythiazox		1.0 / 0.50				
<b>Pesticide Screen</b>	<b>N/A</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
<i>Escherichia coli (E. coli)</i>	Not tested	Not tested	N/A

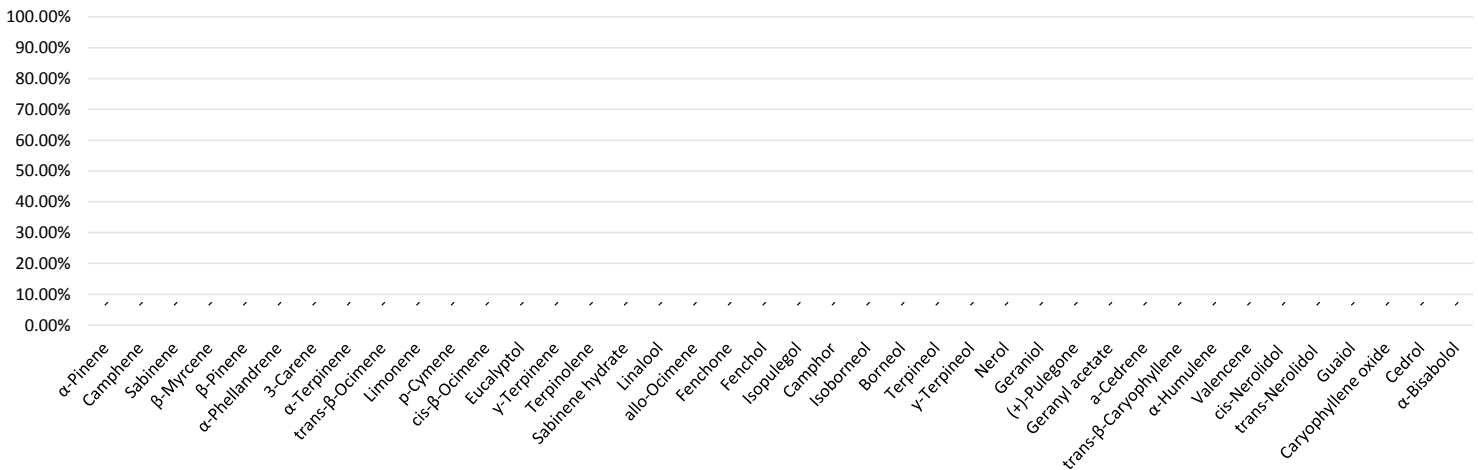


Juniper Batch #: 19JA0131.02  
 Intake Date: 2/12/19

### 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	<LOQ			<LOQ	

### Terpene Profile\*



\* Profile expressed as a percent of total terpenes

Batch QC WorkGroup ID:

Potency PO-2019-02-12-02

Residual Solvents RS-2019-02-12-01

Pesticide

### Disclaimer

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