

CERTIFICATE OF ANALYSIS



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

Client Name: Canna Trading Co.
 Contact Info: Mark
 Sample Type: Extract
 Sample ID: THC Free Dist.
 METRC ID: Hemp
 Juniper Batch #: 18JA0484.01
 Intake Date: 4/04/18

NOT FOR COMPLIANCE

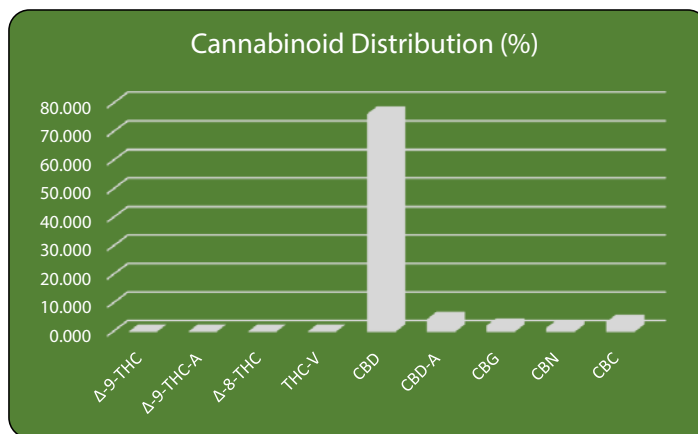


Potency Analysis (Oregon Compliance Standard OAR 333-007-0430)

ANALYSIS DATE: 4/05/18

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

Compound	Weight (%)	Concentration (mg/g)	LOQ * (mg/g)
Δ-9-THC	< LOQ	< LOQ	3.00
Δ-9-THC-A	< LOQ	< LOQ	3.00
Δ-8-THC	< LOQ	< LOQ	3.00
THC-V	< LOQ	< LOQ	3.00
CBD	76.349	763.49	3.00
CBD-A	4.393	43.93	3.00
CBG	2.151	21.51	3.00
CBN	1.326	13.26	3.00
CBC	3.435	34.35	3.00



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

THC_{Total} = (THC-A * 0.877) + Δ9THC

CBD Total =	80.203	802.03
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CBD_{Total} = (CBD-A * 0.877) + CBD

*LOQ = Limit of Quantification

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

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

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

**Limit based on combined results

Residual Solvents NA

Tentatively Identified Compounds: NA

*N.D. - Compound Not Detected, or

*< LOQ - Less than the Limit of Quantification (Compound detected, but less than limit of quantification or reporting limit)

APPROVAL

Signature

Report Date: 4/05/18

QA Review



Juniper Batch #: 18JA0484.01
Intake Date: 4/04/18

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

ANALYSIS DATE:			Pesticide Test Date			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		Pacllobutrazol		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					
Fenpyroximate		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									
Pesticide Screen	NA										

*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

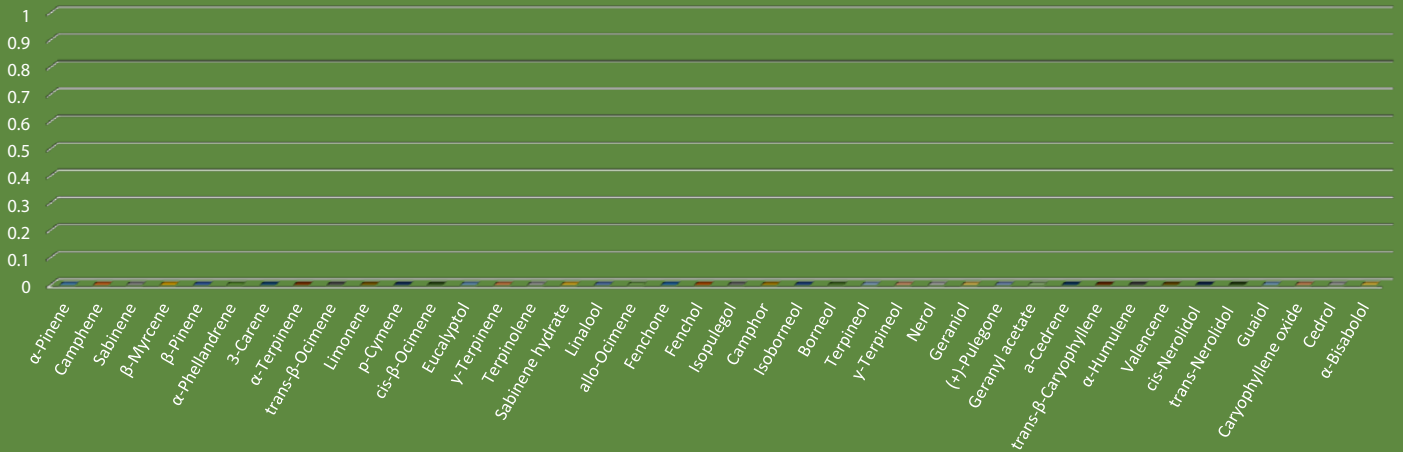


Juniper Batch #: 18JA0484.01
 Intake Date: 4/04/18

Terpene Profile

ANALYSIS DATE: Terp date			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 PO-4-4-18-2
 Residual Solvents NA
 Pesticide NA

Disclaimer

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