

CERTIFICATE OF ANALYSIS



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

Sample Type: Concentrate
External Batch ID: NA
Harvest/Prod. Date: NA
Sample ID: THC Free Dist
METRC ID: Personal
Juniper Batch #: 18JA0870.01
Intake Date: 6/14/2018

NOT FOR COMPLIANCE



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

ANALYSIS DATE: 6/14/2018

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

Compound	Weight (%)	Concentration (mg/g)	LOQ * (mg/g)
Δ-9-THC	0.227	2.27	1.00
Δ-9-THC-A	< LOQ	< LOQ	1.00
Δ-8-THC	< LOQ	< LOQ	1.00
THC-V	< LOQ	< LOQ	1.00
CBD	75.021	750.21	1.00
CBD-A	< LOQ	< LOQ	1.00
CBG	1.295	12.95	1.00
CBN	0.886	8.86	1.00
CBC	2.155	21.55	1.00

TOTAL THC/CBD	Weight (%)	Conc (mg/g)
THC Total =	0.227	2.27

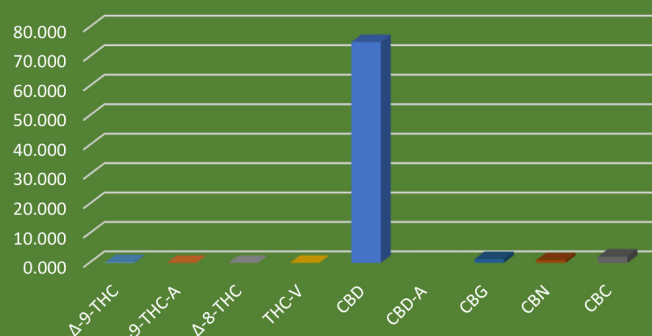
THC_{Total} = (THC-A * 0.877) + Δ9THC

CBD Total =	75.021	750.21
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CBD_{Total} = (CBD-A * 0.877) + CBD

*LOQ = Limit of Quantification

Cannabinoid Distribution (%)



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

ANALYSIS DATE: Not Tested

Instrument: GC/MS

Method: USP 467 - Modified

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

Residual Solvents N/A

Tentatively Identified Compounds:

*N.D. - Compound Not Detected, or

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

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

APPROVAL

Stephen M.
QA Review

Report Date: 6/14/2018