CERTIFICATE OF ANALYSIS

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

Client Name:	[redacted]
Contact Info:	Phillip
Sample Type:	Extract
External Batch ID:	6
Harvest/Prod. Date:	2020-01-20
Sample ID:	Yellow Terps
METRC ID:	Personal
Juniper Batch #:	20JA0161.06
Intake Date:	2020-01-21

NOT FOR COMPLIANCE

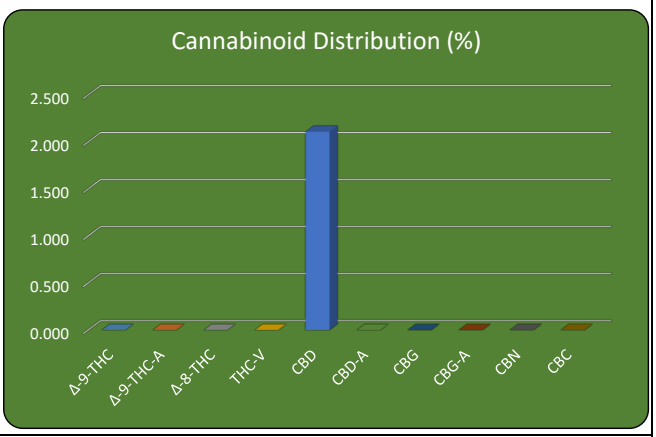
Sample not sampled per OAR 333-064-0100

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

ANALYSIS DATE: 2020-01-22

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

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	2.111	21.11	1.00
CBD-A	< LOQ	< LOQ	1.00
CBG	< LOQ	< LOQ	1.00
CBG-A	< LOQ	< LOQ	1.00
CBN	< LOQ	< LOQ	1.00
CBC	< LOQ	< LOQ	1.00



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

$THC_{Total} = (THC\text{-}A * 0.877) + \Delta 9THC$

CBD Total =	2.111	21.11

$CBD_{Total} = (CBD\text{-}A * 0.877) + CBD$

** < LOQ - Less than the Limit of Quantification*

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

ANALYSIS DATE: 2020-01-22

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	331	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)
Pentanes;	<LOQ	5000 / 500
-n-pentane	<LOQ	**
-iso-pentane	<LOQ	**
-neo-pentane	<LOQ	**
Butanes;	<LOQ	5000 / 500
-n-butane	<LOQ	**
-iso-butane	<LOQ	**
Hexanes;	<LOQ	290 / 50
-n-hexane	<LOQ	**
-2-methylpentane	<LOQ	**
-3-methylpentane	<LOQ	**
-2,2-dimethylbutane	<LOQ	**
-2,3-dimethylbutane	<LOQ	**
Xylenes;	<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*)]-; Peak 5: Hit 1: 1-Hexanol

<LOQ - Less than the Limit of Quantification

APPROVAL

QA Review

Report Date: 2020-01-24

JuniperAnalytics
INTEGRITY AND ACCURACY IN EVERY STEP

Juniper Batch #:	20JA0161.06
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
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**

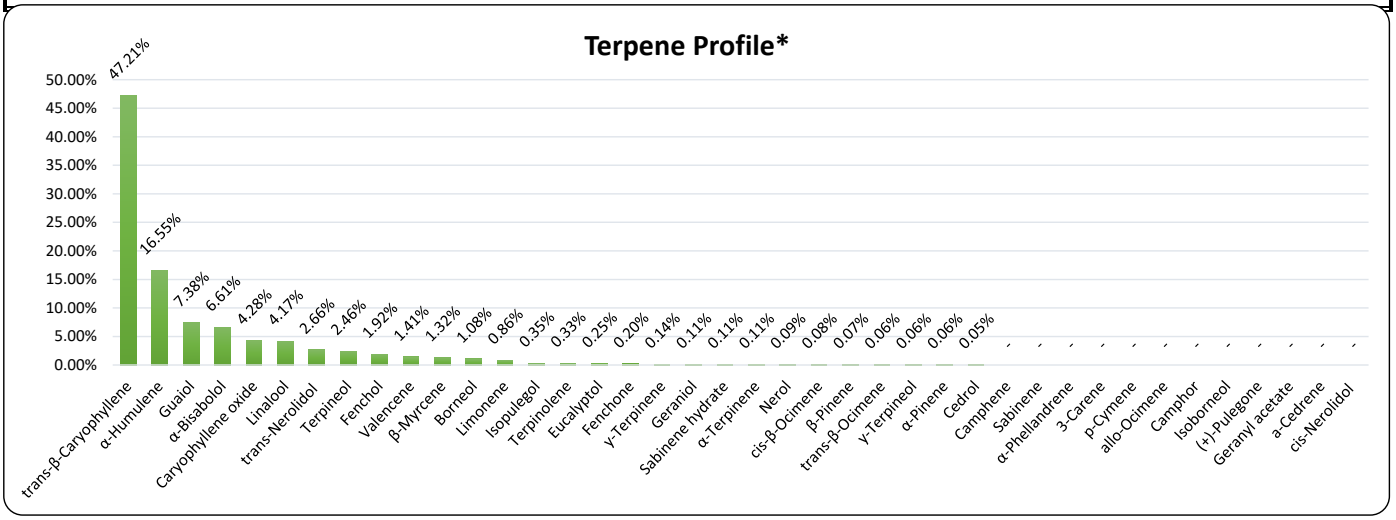
JuniperAnalytics
INTEGRITY AND ACCURACY IN EVERY STEP

Juniper Batch #:	20JA0161.06
Intake Date:	2020-01-21

Terpene Profile

ANALYSIS DATE: 1/22/2020 & 1/23/2020 Instrument: GC/MS Method: JA-Terpene-Proprietary

Compound	µg/g	%	Compound	µg/g	%
α-Pinene	220.62	0.022	Isopulegol	1345.05	0.13
Camphene	<LOQ	<LOQ	Camphor	<LOQ	<LOQ
Sabinene	<LOQ	<LOQ	Isoborneol	<LOQ	<LOQ
β-Myrcene	5094.91	0.509	Borneol	4172.85	0.42
β-Pinene	283.01	0.028	Terpineol	9453.39	0.95
α-Phellandrene	<LOQ	<LOQ	y-Terpineol	231.28	0.02
3-Carene	<LOQ	<LOQ	Nerol	349.20	0.03
α-Terpinene	412.34	0.041	Geraniol	429.84	0.04
trans-β-Ocimene	244.97	0.024	(+)-Pulegone	<LOQ	<LOQ
Limonene	3316.98	0.332	Geranyl acetate	<LOQ	<LOQ
p-Cymene	<LOQ	<LOQ	a-Cedrene	<LOQ	<LOQ
cis-β-Ocimene	310.40	0.031	trans-β-Caryophyllene	181772.02	18.18
Eucalyptol	979.88	0.098	α-Humulene	63722.53	6.37
y-Terpinene	546.24	0.055	Valencene	5413.68	0.54
Terpinolene	1275.82	0.128	cis-Nerolidol	<LOQ	<LOQ
Sabinene hydrate	429.08	0.043	trans-Nerolidol	10228.62	1.02
Linalool	16068.33	1.607	Guaiol	28398.22	2.84
allo-Ocimene	<LOQ	<LOQ	Caryophyllene oxide	16462.41	1.65
Fenchone	766.10	0.077	Cedrol	209.97	0.02
Fenchol	7402.34	0.740	α-Bisabolol	25461.62	2.55
			TOTAL	385001.70	38.500



*** 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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