



Certificate of Analysis

CLIENT:	Mother Earth Farms	SAMPLE:	Cinnapple
Attn.:	Julian Berlove	Laboratory ID:	180908-002
Address:	1000 1st Ave Unit 2001, Seattle, WA, 98104	Type:	Flower
		Inventory ID:	WAJ425080.IN6TSDP
		Batch ID:	WAJ425080.BA7HSX2
		Received on:	09.08.2018
		Reported on:	09.11.2018

Cannabinoids method and instrument: UFLC-PDA

Cannabinoids	Abbreviation	Result	Unit
Cannabidiol	CBDV	ND	% by mass
Tetrahydrocannabivarin	THCV	ND	% by mass
Cannabidiol	CBD	0.26	% by mass
Cannabigerol	CBG	0.21	% by mass
Cannabidiolic Acid	CBDA	ND	% by mass
Cannabigerol Acid	CBGA	1.62	% by mass
Cannabinol	CBN	ND	% by mass
delta-9-Tetrahydrocannabinol	THC	3.31	% by mass
delta-8-Tetrahydrocannabinol	Δ8-THC	ND	% by mass
Cannabichromene	CBC	0.05	% by mass
Tetrahydrocannabinolic Acid	THCA	21.90	% by mass
Total CBX = CBX + (CBXA x 0.877)		Total THC	22.52
		Total CBD	0.26

Water Activity method and instrument: AquaLab 4TE Duo by Decagon

Moisture Content	Result	Unit	State Limit
Moisture	7.4	% Mw	15
Water Activity	0.53	Aw	0.65

Micro & Mycotoxin method and instrument: Petrifilm Count Plates + AgraQuant

Micro & Mycotoxin	Result	Unit	State Limit	Retest Limit
Bile Tolerant gram neg	ND	CFU/g	10,000	20,000
E.Coli	ND	CFU/g	ND per 1 gram	no retest
Salmonella	ND	CFU/g	ND per 1 gram	no retest
Aflatoxin (B1 B2 G1 G2)	ND	ng/g	20	40
Ochratoxin A	ND	ng/g	20	40

Residual Solvents	Concentration	Unit	Class	State Limit
Not Reported	NR	PPM	NA	NA

Pesticides	Concentration	Unit	State Limit
Not Reported	NR	PPM	NA

NR = Not Reported
 ND = Not Detected
 DET = Detected
 LOD = Limit of Detection
 LOQ = Limit of Quantification
 Aw = Water Activity
 % m/m = Percent by Mass
 % Mw = Percent Moisture, wet basis
 CFU/g = Colony Forming Units per gram
 TNTC = Too numerous to count



Authorized Signature:

Kyle Shelton

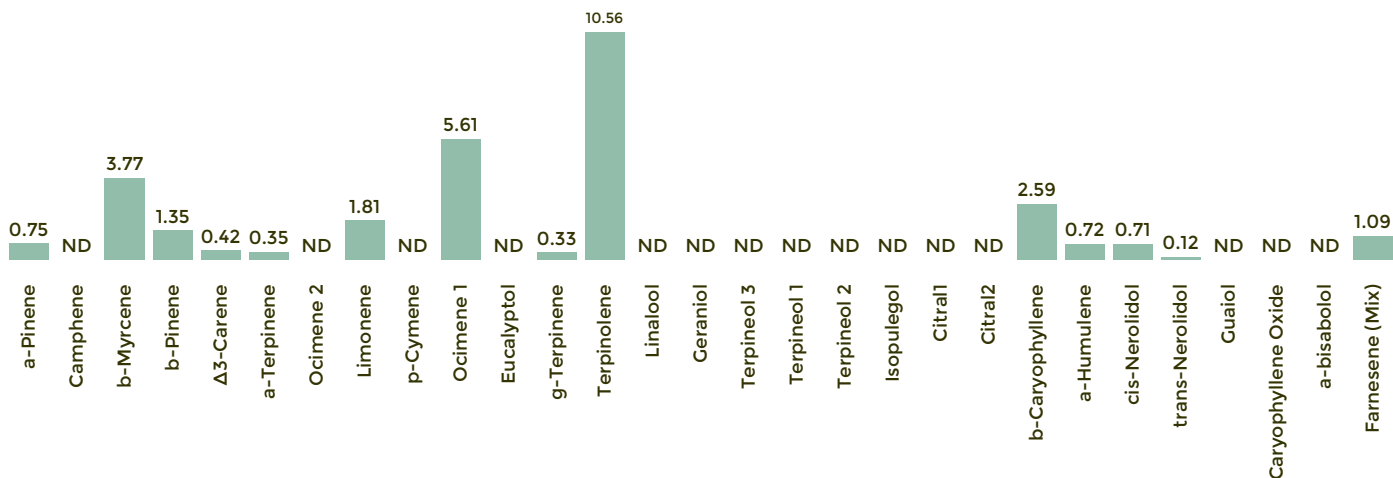


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Terpenes method and instrument: GC/FID

Terpenes	Unit (mg/g)	Terpenes	Unit (mg/g)
a-Pinene	0.75	Camphene	ND
b-Myrcene	3.77	b-Pinene	1.35
Δ3-Carene	0.42	a-Terpinene	0.35
Ocimene 2	ND	Limonene	1.81
p-Cymene	ND	Ocimene 1	5.61
Eucalyptol	ND	g-Terpinene	0.33
Terpinolene	10.56	Linalool	ND
Geraniol	ND	Terpineol 3	ND
Terpineol 1	ND	Terpineol 2	ND
Isopulegol	ND	Citral1	ND
Citral2	ND	b-Caryophyllene	2.59
a-Humulene	0.72	cis-Nerolidol	0.71
trans-Nerolidol	0.12	Guaiol	ND
Caryophyllene Oxide	ND	a-bisabolol	ND
Farnesene (Mix)	1.09		
		Total Terpenes	30.18 mg/g 3.02 % by mass

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