



# Certificate of Analysis

<b>CLIENT:</b>	<b>Mother Earth Farms</b>	<b>SAMPLE:</b>	<b>Purple Punch (Revised)</b>
Attn.:	Julian Berlove	Laboratory ID:	180905-011
Address:	1000 1st Ave Unit 2001, Seattle, WA, 98104	Type:	Flower
		Inventory ID:	WAJ425080.IN6S1QT
		Batch ID:	WAJ425080.BA7GEW6
		Received on:	09.05.2018
		Reported on:	09.11.2018

Cannabinoids method and instrument: UFLC-PDA

Cannabinoids	Abbreviation	Result	Unit
Cannabidivarin	CBDV	ND	% by mass
Tetrahydrocannabivarin	THCV	ND	% by mass
Cannabidiol	CBD	ND	% by mass
Cannabigerol	CBG	ND	% by mass
Cannabidiolic Acid	CBDA	ND	% by mass
Cannabigerol Acid	CBGA	0.17	% by mass
Cannabinol	CBN	ND	% by mass
delta-9-Tetrahydrocannabinol	THC	0.45	% by mass
delta-8-Tetrahydrocannabinol	Δ8-THC	ND	% by mass
Cannabichromene	CBC	0.05	% by mass
Tetrahydrocannabinolic Acid	THCA	18.43	% by mass
<b>Total CBX = CBX + (CBXA x 0.877)</b>		<b>Total THC</b>	<b>16.61</b>
		<b>Total CBD</b>	<b>ND</b>

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

Moisture Content	Result	Unit	State Limit
Moisture	6.6	% Mw	15
Water Activity	0.48	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

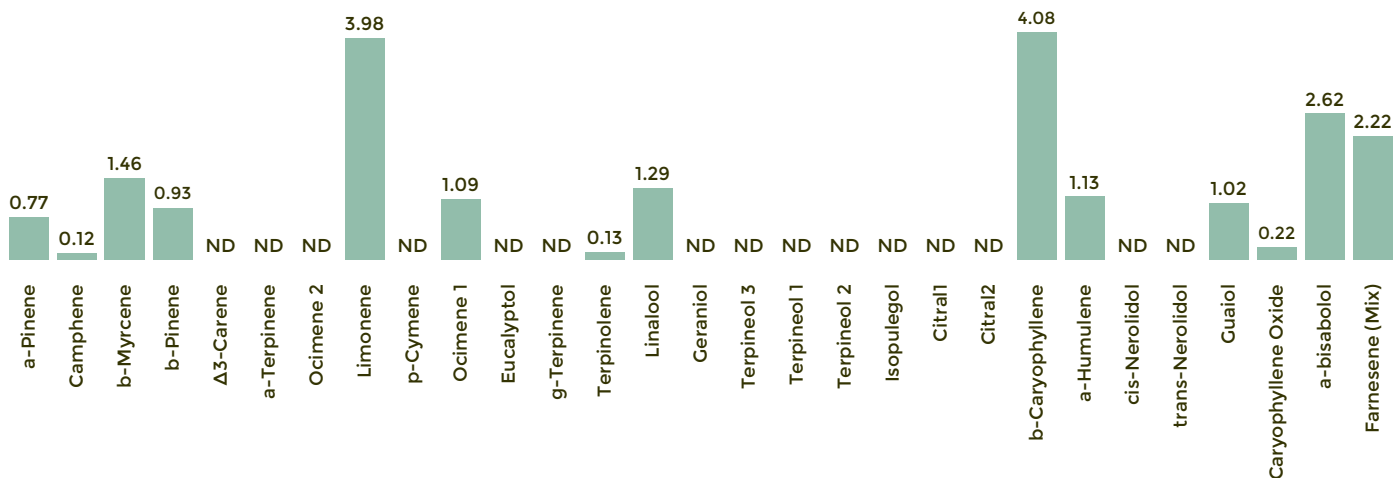


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Terpenes method and instrument: GC/FID

Terpenes	Unit (mg/g)	Terpenes	Unit (mg/g)
a-Pinene	0.77	Camphene	0.12
b-Myrcene	1.46	b-Pinene	0.93
Δ3-Carene	ND	a-Terpinene	ND
Ocimene 2	ND	Limonene	3.98
p-Cymene	ND	Ocimene 1	1.09
Eucalyptol	ND	g-Terpinene	ND
Terpinolene	0.13	Linalool	1.29
Geraniol	ND	Terpeneol 3	ND
Terpeneol 1	ND	Terpeneol 2	ND
Isopulegol	ND	Citral1	ND
Citral2	ND	b-Caryophyllene	4.08
a-Humulene	1.13	cis-Nerolidol	ND
trans-Nerolidol	ND	Guaiol	1.02
Caryophyllene Oxide	0.22	a-bisabolol	2.62
Farnesene (Mix)	2.22		
		<b>Total Terpenes</b>	<b>21.06 mg/g</b> <b>2.11 % by mass</b>

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