



PURE ANALYTICS™
CANNABIS POTENCY & SAFETY SCREENING

Medical Cannabis Test Report

Customer	Emerald Family Farms
Sample ID's	EFF0029-1 -> 2
Report Date	24-May-17

Results Summary

Cannabinoid Results

Sample I.D.	Sample Name	THC mg/g	THCA mg/g	CBD mg/g	CBDA mg/g	CBN mg/g	CBC mg/g	CBG mg/g	THCV mg/g	CBDV mg/g	Total Cannabinoids mg/g
EFF0029-1	Kool Aid (SSF)	8.3	193.6	ND	ND	2.62	2.4	6.5	4.85	ND	218.3
EFF0029-2	Sour Skittlz (SSF)	13.8	94.4	ND	ND	0.85	1.3	1.5	1.13	ND	112.9

*ND: Not Detected (<0.05%, 0.01 mg/g or mL)

Results reported on a percent by weight basis using the full moisture content weight of the product as received by Pure Analytics.

Analytical Method: Methanol extraction using sonication with analysis by GC-FID for combustibles (flower and concentrates) and HPLC-DAD for orally ingestible samples.

Results Summary

Mold and Fungus Results

Sample I.D.	Sample Name	Mold or Fungus Present?
EFF0029-1	Kool Aid (SSF)	NO
EFF0029-2	Sour Skittlz (SSF)	Yes- Mild, Cladosporium

Analytical Method: Microscopic inspection for actively growing mold and fungus colonies. Results reported as Mild, Moderate or Severe. Products with positive results are not recommended for patient consumption.

Results Summary

Pesticide and Chemical Residue Screen Results

Sample I.D.	Sample Name	Pesticide or Chemical Residues Detected
EFF0029-1	Kool Aid (SSF)	ND
EFF0029-2	Sour Skittlz (SSF)	ND

*ND: Not Detected

Pesticide and Chemical Residue Screen detects all chlorinated, brominated and fluorinated compounds. This includes many commonly used insecticides, miticides and fungicides. Specific levels of compounds on our list will be reported with quantified results, all other compounds will be listed as detected or not detected.

Analytical Method: Acetone extraction using sonication with analysis by GC-ECD.

Results Summary

Terpene Results

Sample I.D.	Sample Name	alpha-Pinene	Camphene	beta-Pinene	Myrcene	3-Carene	R-Limonene	Eucalyptol	Ocimene	gamma-Terpinene	Terpinolene	Linalool	Fenchol	(+)-Puleone	Menthol	Borneol	alpha-Terpineol	Geraniol	beta-Caryophyllene	alpha-Humulene	Valencene	Farnesene	Nerolidol	Guaiaol	alpha-Bisabolol	Eicosane	Total
EFF0029-1	Kool Aid (SSF)	####	ND	####	####	ND	####	ND	####	ND	ND	####	####	ND	ND	ND	####	####	####	####	####	####	####	####	####	ND	####
EFF0029-2	Sour Skittlz (SSF)	####	ND	####	####	ND	####	ND	####	ND	ND	####	####	ND	ND	ND	####	ND	####	####	####	####	####	####	####	ND	####

*ND: Not Detected (<0.01%)

Results reported on a percent by weight basis using the full moisture content weight of the product as received by Pure Analytics.

Analytical Method: Methanol extraction using sonication with Analysis by GC-FID

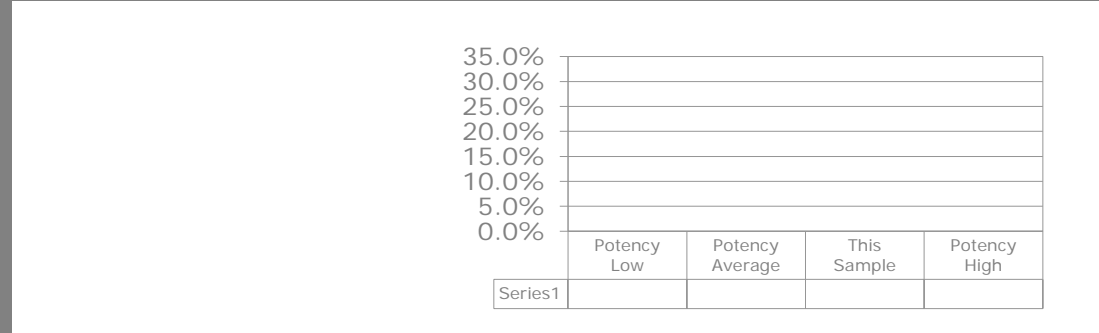
Medicinal Cannabis Certificate of Analysis

Sample Information

Member Club	Emerald Family Farms
Sample Name	Kool Aid (SSF)
Sample I.D.	EFF0029-1
Sample Type	Flower
Date Received	5/19/2017
Date Tested	5/23/2017
Date Reported	5/24/2017
QC Batch(es)	PA12251,253,255,256
Test(s) Performed	Cannabinoids-edible, Mold/Fungus, Pesticides, Terpenes



Potency Trend Analysis* for: Not Applicable



Physical Inspection Results

Pests Detected	No
Foreign Material	No
Resin Gland Density	High
Resin Gland Color %	80 Amber, 20 Clear
Resin Gland Clarity %	60 Opaque, 40 Translucent
Maturity Rating	Optimal

THC	THCA	CBD	CBDA	CBN	Total CBC	Total CBG	THCV	CBDV	Total Cannabinoid
0.8%	19.4%	ND	ND	0.3%	0.2%	0.7%	0.5%	ND	21.8%
mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g
8.3	193.6	ND	ND	2.6	2.4	6.5	4.9	ND	218.3
mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Safety Screening Results

Mold and Fungus Screening

Result-	ND
Rating-	NA

Pesticide and Chemical Residue Analysis

Compound	Result
Myclobutanil	ND
Paclobutrazole	ND
Bifenthrin	ND
Permethrin	ND
β-Cyflurthrin	ND
Cypermethrin	ND
Fipronil	ND
Λ-Cyhalothrin	ND

Terpene Analysis:

alpha-Pinene	Camphene	beta-Pinene	Myrcene
0.19%	ND	0.22%	0.19%
3-Carene	R-Limonene	Eucalyptol	Ocimene
ND	0.47%	ND	0.15%
g-Terpinene	Terpinolene	Linalool	Fenchol
ND	ND	0.15%	0.15%
(+)-Pulegone	Menthol	Borneol	a-Terpineol
ND	ND	ND	0.17%
Geraniol	B-Caryophyllene	a-Humulene	Valencene
0.14%	0.42%	0.22%	0.15%
Farnesene	Nerolidol	Guaiol	a-Bisabolol
0.06%	1.14%	0.20%	0.15%
Eicosane	Total		
ND	4.17%		

ND: Not Detected

N/A: Not Applicable

*Trends based on Pure Analytics, LLC historical data

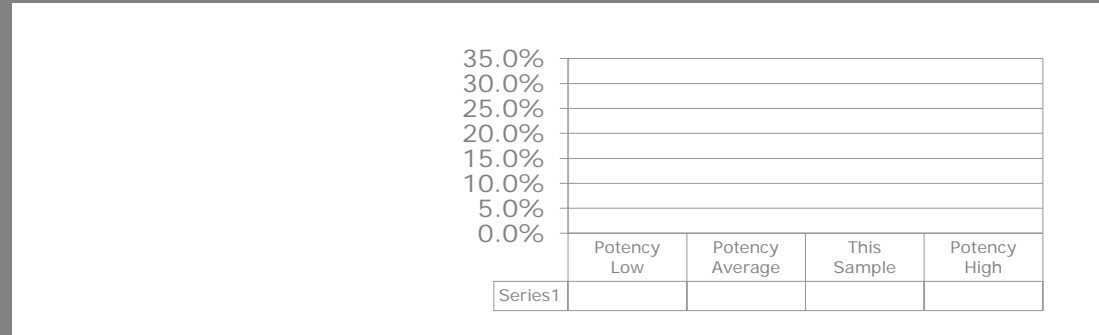
Medicinal Cannabis Certificate of Analysis

Sample Information

Member Club	Emerald Family Farms
Sample Name	Sour Skittlz (SSF)
Sample I.D.	EFF0029-2
Sample Type	Flower
Date Received	5/19/2017
Date Tested	5/23/2017
Date Reported	5/24/2017
QC Batch(es)	PA12251,253,255,256
Test(s) Performed	Cannabinoids-edible, Mold/Fungus, Pesticides, Terpenes



Potency Trend Analysis* for: THC Strains



Physical Inspection Results

Pests Detected	No
Foreign Material	No
Resin Gland Density	High
Resin Gland Color %	80 Amber, 20 Clear
Resin Gland Clarity %	80 Opaque, 20 Translucent
Maturity Rating	Optimal

THC	THCA	CBD	CBDA	CBN	Total CBC	Total CBG	THCV	CBDV	Total Cannabinoid
% Potency	% Potency	% Potency	% Potency	% Potency	% Potency	% Potency	% Potency	% Potency	% Potency
1.4%	9.4%	ND	ND	0.1%	0.1%	0.1%	0.1%	ND	11.3%
mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g
13.8	94.4	ND	ND	0.8	1.3	1.5	1.1	ND	112.9
mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Safety Screening Results

Mold and Fungus Screening

Mold or Fungus Present
Result- Present
Rating- Mild
Cladosporium

Pesticide and Chemical Residue Analysis

Not Detected	
Compound	Result
Myclobutanil	ND
Paclobutrazole	ND
Bifenthrin	ND
Permethrin	ND
β-Cyfluthrin	ND
Cypermethrin	ND
Fipronil	ND
λ-Cyhalothrin	ND

Terpene Analysis:

alpha-Pinene	Camphene	beta-Pinene	Myrcene
0.30%	ND	0.22%	0.49%
3-Carene	R-Limonene	Eucalyptol	Ocimene
ND	0.23%	ND	0.16%
g-Terpinene	Terpinolene	Linalool	Fenchol
ND	ND	0.18%	0.12%
(+)-Pulegone	Menthol	Borneol	a-Terpineol
ND	ND	ND	0.10%
Geraniol	B-Caryophyllene	a-Humulene	Valencene
ND	0.49%	0.27%	0.15%
Farnesene	Nerolidol	Guaiol	a-Bisabolol
0.05%	0.86%	0.10%	0.13%
Eicosane	Total		
ND	3.87%		

ND: Not Detected

N/A: Not Applicable

*Trends based on Pure Analytics, LLC historical data