PURE ANALYTICS™

CANNABIS POTENCY & SAFETY SCREENING

Medical Cannabis Test Report

Customer	**Emerald Family Farms**
Sample ID's	**EFF0018B-1 -> 23**
Report Date	**15-Mar-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 mg/mL
EFF0018B-2	**Three Kings (BFF)**	6.8	215.5	ND	6.43	0.95	3.3	6.1	1.20	ND	240.3
EFF0018B-4	**Orange Cream (HMH)**	8.3	644.3	2.1	127.1	7.27	12.3	43.8	3.19	ND	848.4
EFF0018B-5	**Blueberry OG (HMH)**	10.4	709.4	ND	18.6	ND	16.0	22.6	16.5	ND	793.4
EFF0018B-6	**Girl Scout Cookies (EK)**	25.7	687.2	ND	24.2	ND	14.0	29.2	2.40	ND	782.6
EFF0018B-7	**Yeti Sue (MM)**	39.9	233.0	10.5	471.9	6.48	2.9	27.4	6.93	6.89	806.0
EFF0018B-8	**Nigerian Hash Plant (DWM)**	74.7	662.5	ND	51.9	4.97	11.4	52.3	7.55	ND	865.3
EFF0018B-9	**Green Crack (EK)**	75.1	478.4	ND	43.3	13.5	91.4	55.2	4.06	ND	760.9
EFF0018B-10	**B-2 (SHR)**	452.3	ND	43.2	2.30	53.8	10.7	47.3	2.78	ND	612.4
EFF0018B-11	**F-111**	257.0	ND	457.2	4.39	8.89	13.1	12.8	3.77	2.01	759.1
EFF0018B-12	**F-112**	252.2	ND	437.0	4.01	7.74	12.6	13.2	4.57	1.99	733.3
EFF0018B-13	**F-114**	407.7	155.9	2.1	16.0	5.41	26.3	23.1	5.38	ND	641.9
EFF0018B-14	**F-115**	587.8	3.3	0.5	1.77	14.8	17.6	15.1	3.56	ND	644.4
EFF0018B-15	**F-113**	349.1	143.0	8.9	28.97	7.78	28.2	20.7	3.50	ND	590.2

*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

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 mg/mL
EFF0018B-16	**F-116**	709.7	ND	7.85	1.30	7.32	10.7	8.66	4.59	ND	750.1
EFF0018B-17	**F-123**	323.1	282.5	ND	17.5	7.19	32.0	23.5	3.82	ND	689.5
EFF0018B-18	**F-117**	416.5	22.2	248.4	ND	10.3	9.94	28.0	8.31	3.72	747.3
EFF0018B-19	**F-122**	632.2	44.0	7.80	6.65	4.75	21.7	32.0	4.36	ND	753.5
EFF0018B-20	**F-119**	354.0	237.1	1.09	32.2	3.99	24.9	41.7	3.90	ND	698.8
EFF0018B-21	**F-118**	374.3	5.51	168.4	5.33	15.49	4.68	19.0	3.12	ND	595.9
EFF0018B-22	**F-120**	613.3	ND	9.84	ND	7.56	32.6	51.8	2.72	ND	717.8
EFF0018B-23	**F-121**	383.0	128.6	6.06	54.9	4.19	20.5	31.0	4.27	ND	632.5

*ND: Not Detected (<0.05%)

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?
EFF0018B-2	**Three Kings (BFF)**	**NO**
EFF0018B-4	**Orange Cream (HMH)**	**NO**
EFF0018B-5	**Blueberry OG (HMH)**	**NO**
EFF0018B-6	**Girl Scout Cookies (EK)**	**NO**
EFF0018B-7	**Yeti Sue (MM)**	**NO**
EFF0018B-8	**Nigerian Hash Plant (DWM)**	**NO**
EFF0018B-9	**Green Crack (EK)**	**NO**

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
EFF0018B-1	Blue Dream (BFF)	ND
EFF0018B-2	Three Kings (BFF)	ND
EFF0018B-3	PGSC (BFF)	ND
EFF0018B-4	Orange Cream (HMH)	ND
EFF0018B-5	Blueberry OG (HMH)	ND
EFF0018B-6	Girl Scout Cookies (EK)	ND
EFF0018B-7	Yeti Sue (MM)	ND
EFF0018B-8	Nigerian Hash Plant (DWM)	ND
EFF0018B-9	Green Crack (EK)	ND
EFF0018B-10	B-2 (SHR)	ND
EFF0018B-11	F-111	Yes- Myclobutanil, 3.1 mg/kg
EFF0018B-12	F-112	Yes- Myclobutanil, 2.9 mg/kg
EFF0018B-13	F-114	ND
EFF0018B-14	F-115	Yes- Myclobutanil, 2.4 mg/kg
EFF0018B-15	F-113	Yes- Myclobutanil, 5.1 mg/kg

*ND: Not Detected

Pesticide and Chemical Residue Screen detects all chlorinated, brominated and fluorinated compounds. This includes many commmonly 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

Pesticide and Chemical Residue Screen Results

Sample I.D.	Sample Name	Pesticide or Chemical Residues Detected
EFF0018B-16	F-116	Yes- Myclobutanil, 12 mg/kg
EFF0018B-17	F-123	Yes- Myclobutanil, 3.1 mg/kg
EFF0018B-18	F-117	Yes- Myclobutanil, 3.9 mg/kg
EFF0018B-19	F-122	ND
EFF0018B-20	F-119	Yes- Myclobutanil, 12 mg/kg
EFF0018B-21	F-118	ND
EFF0018B-22	F-120	ND
EFF0018B-23	F-121	Yes- Myclobutanil, 2.8 mg/kg

*ND: Not Detected

Pesticide and Chemical Residue Screen detects all chlorinated, brominated and fluorinated compounds. This includes many commmonly 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	Guaiol	alpha-Bisabolol	Eicosane	Total
EFF0018B-2	Three Kings (BFF)	ND	ND	ND	0.12%	ND	0.21%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75%	0.28%	ND	ND	2.04%	ND	0.13%	ND	3.54%
EFF0018B-4	Orange Cream (HMH)	0.17%	ND	0.22%	0.79%	ND	0.89%	ND	0.27%	0.04%	1.15%	0.37%	0.06%	ND	ND	ND	0.25%	ND	1.82%	0.70%	ND	1.31%	1.21%	0.14%	ND	ND	9.38%
EFF0018B-5	Blueberry OG (HMH)	0.09%	ND	0.10%	0.42%	ND	0.38%	ND	0.05%	ND	0.08%	0.20%	0.07%	ND	ND	ND	0.20%	ND	1.61%	0.48%	ND	0.17%	1.82%	ND	0.22%	ND	5.89%
EFF0018B-6	Girl Scout Cookies (EK)	0.13%	ND	0.16%	0.44%	ND	0.66%	ND	ND	ND	ND	0.80%	0.20%	ND	ND	ND	0.49%	ND	2.69%	0.96%	ND	1.81%	7.44%	0.08%	0.33%	ND	16.2%
EFF0018B-7	Yeti Sue (MM)	0.29%	ND	0.22%	1.07%	ND	0.63%	ND	ND	ND	ND	0.28%	ND	ND	ND	ND	ND	ND	0.84%	0.19%	ND	1.06%	ND	0.14%	ND	ND	4.71%
EFF0018B-8	Nigerian Hash Plant (DWM)	0.18%	ND	0.22%	0.89%	ND	0.48%	ND	0.18%	0.08%	0.58%	0.20%	0.03%	ND	ND	ND	0.16%	ND	0.55%	0.14%	ND	0.18%	ND	0.14%	0.02%	ND	4.05%
EFF0018B-9	Green Crack (EK)	0.17%	0.04%	0.18%	0.63%	ND	0.71%	ND	0.14%	ND	ND	0.18%	ND	ND	ND	ND	ND	ND	1.54%	0.60%	ND	1.63%	ND	ND	0.31%	ND	6.12%

*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

Results Summary

Residual Solvent and Volatiles Results

Sample I.D.	Sample Name	n-butane	n-pentane	acetone	ethanol	2-methyl butane	n-hexane	methane	2-propanol	2-methyl propane	3-methyl-1-butanol	1-butanol	1-pentanol	2-butanol	1-propanol	anisole	ethyl acetate	n-Heptane	2-methyl-1-propanol	tert-butyl methyl ether (M	ether	ethyl formate	4-methyl-2-pentanone	isopropylbenzene	propane	1-butanone	Total
EFF0018B-4	Orange Cream (HMH)	392	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	403
EFF0018B-5	Blueberry OG (HMH)	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
EFF0018B-6	Girl Scout Cookies (EK)	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44
EFF0018B-7	Yeti Sue (MM)	2715	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2715
EFF0018B-8	Nigerian Hash Plant (DWM)	164	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	164
EFF0018B-9	Green Crack (EK)	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41

*ND: Not Detected (<1 ppm)

Results reported on a parts-per-million basis, ppm may also be exressed as mg of contaminant per kilogram of material tested.

Analytical Method: Analysis by Full Evaporation Technique Headspace Measurement using GC-FID