

Analytical Report

Tested for: Emerald Family Farms
 Sample ID: Holy Grail (PI)
 Sample Type: Flower
 Lab Sample ID: C1707039-01A
 Date Received: 7/17/2017 Date Tested 7/18/2017



Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	ND	0.035	%
Cannabidiolic Acid (CBDA)	0.0351	0.035	%
Cannabigerol (CBG)	0.135	0.035	%
Cannabigerolic Acid (CBGA)	0.469	0.035	%
Cannabinol (CBN)	ND	0.035	%
Tetrahydrocannabinol (Δ 9THC)	0.735	0.035	%
Tetrahydrocannabinolic Acid (THCa)	23.4	0.035	%

Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	24.8	NA	%
Total CBD equivalents	0.0311	NA	%
Total THC equivalents	21.3	NA	%

Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.099	mg/g
Camphene	0.210	0.099	mg/g
Caryophyllene oxide	0.131	0.099	mg/g
cis-Nerolidol	ND	0.099	mg/g
Eucalyptol	ND	0.099	mg/g
Geraniol	0.182	0.099	mg/g
Guaiol	0.0997	0.099	mg/g
Isopulegol	ND	0.099	mg/g
Limonene	9.50	0.50	mg/g
Linalool	2.61	0.099	mg/g
Myrcene	11.7	0.50	mg/g
Ocimene	ND	0.099	mg/g
Terpinolene	ND	0.099	mg/g
trans-Nerolidol	ND	0.099	mg/g
α -Bisabolol	0.774	0.099	mg/g
α -Humulene	1.77	0.099	mg/g
α -Pinene	0.821	0.099	mg/g
α -Terpinene	ND	0.099	mg/g
β -Caryophyllene	5.86	0.50	mg/g
β -Pinene	1.43	0.099	mg/g
γ -Terpinene	ND	0.099	mg/g
Total Terpenes	35.1		mg/g

Microbiological Analysis

3M Petrifilm/Plate Count	Result	MRL*	Units
E. coli	ND	10	cfu/g
Pseudomonas aeruginosa	ND	1,000	cfu/g
Total aerobic plate count	ND	1,000	cfu/g
Total coliforms	ND	10	cfu/g
Total yeast and mold	ND	1,000	cfu/g

Pesticides

LC-MS/MS	Result	MRL*	Units
Acequinocyl	ND	2.0	μ g/g
Avermectin B1a	ND	0.50	μ g/g
Bifenazate	ND	0.20	μ g/g
Bifenthrin	ND	0.20	μ g/g
Carbaryl	ND	0.20	μ g/g
Daminozide	ND	1.0	μ g/g
Diazinon	ND	0.20	μ g/g
Etoxazole	ND	0.20	μ g/g
Fenoxycarb	ND	0.20	μ g/g
Imidacloprid	ND	0.40	μ g/g
Kresoxim-Methyl	ND	0.40	μ g/g
Myclobutanil	ND	0.20	μ g/g
Paclobutrazol	ND	0.40	μ g/g
Piperonyl butoxide	ND	0.20	μ g/g
Pyrethrin I	ND	0.60	μ g/g
Pyrethrin II	ND	0.40	μ g/g
Spinosyn A	ND	0.11	μ g/g
Spinosyn D	ND	0.085	μ g/g
Spiromesifen	ND	0.20	μ g/g
Spirotetramat	ND	0.20	μ g/g
Tebuconazole	ND	0.40	μ g/g
Thiamethoxam	ND	0.20	μ g/g
Trifloxystrobin	ND	0.20	μ g/g

ND = Not Detected at the Reporting Limit

*This is the minimum concentration of analyte reported. There are no safety limits imposed by California at this time.

Approved for release by: