

Analytical Report

Tested for: Emerald Family Farms
Sample ID: Dark Knight (4000)
Sample Type: Flower
Lab Sample ID: C1711121-04A
Date Received: 11/15/2017 Date Tested 11/19/2017



Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	ND	0.035	%
Cannabidiolic Acid (CBDA)	0.0691	0.035	%
Cannabigerol (CBG)	0.0818	0.035	%
Cannabigerolic Acid (CBGA)	0.921	0.035	%
Cannabinol (CBN)	ND	0.035	%
Tetrahydrocannabinol (Δ 9THC)	0.645	0.035	%
Tetrahydrocannabinolic Acid (THCa)	23.3	0.035	%

Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	25.0	NA	%
Total CBD equivalents	0.0613	NA	%
Total THC equivalents	21.0	NA	%

Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.10	mg/g
Camphene	0.237	0.10	mg/g
Caryophyllene oxide	0.397	0.10	mg/g
cis-Nerolidol	ND	0.10	mg/g
Eucalyptol	ND	0.10	mg/g
Geraniol	ND	0.10	mg/g
Guaiol	ND	0.10	mg/g
Isopulegol	0.133	0.10	mg/g
Limonene	0.931	0.10	mg/g
Linalool	0.234	0.10	mg/g
Myrcene	13.1	0.10	mg/g
Ocimene	0.105	0.10	mg/g
Terpinolene	0.237	0.10	mg/g
trans-Nerolidol	ND	0.10	mg/g
α -Bisabolol	0.825	0.10	mg/g
α -Humulene	1.68	0.10	mg/g
α -Pinene	7.91	0.10	mg/g
α -Terpinene	ND	0.10	mg/g
β -Caryophyllene	3.76	0.10	mg/g
β -Pinene	3.24	0.10	mg/g
γ -Terpinene	ND	0.10	mg/g
Total Terpenes	32.8		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	1,000	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
Etoazole	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:

A handwritten signature in black ink, appearing to read "Jerry Chaney", is written over a horizontal line.

Jerry Chaney, Lab Director 11/22/17