

# Analytical Report

Tested for: Emerald Family Farms  
 Sample ID: Pluto Fire (4000)  
 Sample Type: Flower  
 Lab Sample ID: C1710150-14A  
 Date Received: 10/20/2017      Date Tested 10/23/2017



## Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	ND	0.036	%
Cannabidiolic Acid (CBDA)	ND	0.036	%
Cannabigerol (CBG)	0.147	0.036	%
Cannabigerolic Acid (CBGA)	3.89	0.036	%
Cannabinol (CBN)	ND	0.036	%
Tetrahydrocannabinol (Δ 9THC)	0.398	0.036	%
Tetrahydrocannabinolic Acid (THCa)	17.0	0.036	%

## Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	21.4	NA	%
Total CBD equivalents	ND	NA	%
Total THC equivalents	15.3	NA	%

## Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.10	mg/g
Camphene	ND	0.10	mg/g
Caryophyllene oxide	0.163	0.10	mg/g
cis-Nerolidol	ND	0.10	mg/g
Eucalyptol	ND	0.10	mg/g
Geraniol	ND	0.10	mg/g
Guaiol	0.582	0.10	mg/g
Isopulegol	ND	0.10	mg/g
Limonene	2.49	0.10	mg/g
Linalool	0.147	0.10	mg/g
Myrcene	3.90	0.10	mg/g
Ocimene	8.09	0.51	mg/g
Terpinolene	ND	0.10	mg/g
trans-Nerolidol	0.136	0.10	mg/g
α-Bisabolol	0.597	0.10	mg/g
α-Humulene	1.02	0.10	mg/g
α-Pinene	1.06	0.10	mg/g
α-Terpinene	ND	0.10	mg/g
β-Caryophyllene	3.29	0.10	mg/g
β-Pinene	0.795	0.10	mg/g
γ-Terpinene	ND	0.10	mg/g
Total Terpenes	22.3		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	35,000	1,000	cfu/g
Total coliforms	10.0	10	cfu/g
Total yeast and mold	ND	1,000	cfu/g

## Pesticides

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