

# Analytical Report

Tested for: Emerald Family Farms  
Sample ID: Orange Cookies (HMH)  
Sample Type: Concentrate  
Lab Sample ID: C1704112-06A  
Date Received: 4/28/2017 Date Tested 5/1/2017



## Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	0.766	0.13	%
Cannabidiolic Acid (CBDa)	7.40	0.13	%
Cannabigerol (CBG)	0.567	0.13	%
Cannabigerolic Acid (CBGA)	2.24	0.13	%
Cannabinol (CBN)	ND	0.13	%
Tetrahydrocannabinol ( $\Delta$ 9THC)	13.1	0.13	%
Tetrahydrocannabinolic Acid (THCa)	65.8	0.13	%

## Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	89.9	NA	%
Total CBD equivalents	7.33	NA	%
Total THC equivalents	70.8	NA	%

## Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.37	mg/g
Camphene	ND	0.37	mg/g
Caryophyllene oxide	1.49	0.37	mg/g
cis-Nerolidol	ND	0.37	mg/g
Eucalyptol	ND	0.37	mg/g
Geraniol	0.415	0.37	mg/g
Guaiol	ND	0.37	mg/g
Isopulegol	ND	0.37	mg/g
Limonene	4.66	0.37	mg/g
Linalool	3.69	0.37	mg/g
Myrcene	3.61	0.37	mg/g
Ocimene	0.658	0.37	mg/g
Terpinolene	3.25	0.37	mg/g
trans-Nerolidol	0.820	0.37	mg/g
$\alpha$ -Bisabolol	2.86	0.37	mg/g
$\alpha$ -Humulene	5.87	0.37	mg/g
$\alpha$ -Pinene	1.34	0.37	mg/g
$\alpha$ -Terpinene	ND	0.37	mg/g
$\beta$ -Caryophyllene	14.8	0.37	mg/g
$\beta$ -Pinene	1.07	0.37	mg/g
$\gamma$ -Terpinene	ND	0.37	mg/g
Total Terpenes	44.5		mg/g

## Residual Solvents

GC-FID	Result	MRL*	Units
2-Methylbutane	ND	10	mg/kg
Acetone	145	10	mg/kg
Benzene	ND	2.1	mg/kg
Butane	15.2	10	mg/kg
Chloroform	ND	10	mg/kg
Ethanol	ND	10	mg/kg
Isobutane	ND	10	mg/kg
Isopropanol	36.2	10	mg/kg
Methanol	12.6	10	mg/kg
n-Heptane	ND	10	mg/kg
n-Hexane	ND	10	mg/kg
n-Pentane	ND	10	mg/kg
Propane	ND	10	mg/kg
Toluene	ND	10	mg/kg
Total Residual Solvents	<400	400	mg/kg

## Pesticides

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