

# Analytical Report

Tested for: Merkabah, Inc  
Sample ID: WV122717-(H)707HB  
Sample Type: Oil  
Lab Sample ID: C1712174-03A  
Date Received: 12/27/2017 Date Tested 1/4/2018



## Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	0.153	0.14	%
Cannabidiolic Acid (CBDA)	ND	0.14	%
Cannabigerol (CBG)	1.34	0.14	%
Cannabigerolic Acid (CBGA)	ND	0.14	%
Cannabinol (CBN)	0.501	0.14	%
Tetrahydrocannabinol ( $\Delta$ 9THC)	76.9	0.14	%
Tetrahydrocannabinolic Acid (THCa)	0.612	0.14	%

## Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	79.5	NA	%
Total CBD equivalents	0.153	NA	%
Total THC equivalents	77.5	NA	%

## Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.026	mg/g
Camphene	ND	0.026	mg/g
Caryophyllene oxide	0.0812	0.026	mg/g
cis-Nerolidol	ND	0.026	mg/g
Eucalyptol	ND	0.026	mg/g
Geraniol	ND	0.026	mg/g
Guaiol	0.0291	0.026	mg/g
Isopulegol	ND	0.026	mg/g
Limonene	0.326	0.026	mg/g
Linalool	0.122	0.026	mg/g
Myrcene	0.392	0.026	mg/g
Ocimene	ND	0.026	mg/g
Terpinolene	0.269	0.026	mg/g
trans-Nerolidol	0.0681	0.026	mg/g
$\alpha$ -Bisabolol	0.218	0.026	mg/g
$\alpha$ -Humulene	0.467	0.026	mg/g
$\alpha$ -Pinene	0.177	0.026	mg/g
$\alpha$ -Terpinene	ND	0.026	mg/g
$\beta$ -Caryophyllene	1.67	0.026	mg/g
$\beta$ -Pinene	0.197	0.026	mg/g
$\gamma$ -Terpinene	0.121	0.026	mg/g
Total Terpenes	4.14		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

## Residual Solvents

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

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, Director 01/08/18

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## 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
Malathion	ND	0.20	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

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