

Analytical Report

Tested for: Merkabah, Inc
 Sample ID: WV-022618-(S) 0162
 Sample Type: Oil
 Lab Sample ID: C1802108-03A
 Date Received: 2/26/2018

Date Tested 3/8/2018



Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	0.191	0.14	%
Cannabidiolic Acid (CBDa)	ND	0.14	%
Cannabigerol (CBG)	2.09	0.14	%
Cannabigerolic Acid (CBGA)	ND	0.14	%
Cannabinol (CBN)	0.259	0.14	%
Tetrahydrocannabinol (Δ 9THC)	75.5	0.14	%
Tetrahydrocannabinolic Acid (THCa)	ND	0.14	%

Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	78.1	NA	%
Total CBD equivalents	0.191	NA	%
Total THC equivalents	75.5	NA	%

Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.40	mg/g
Camphene	ND	0.40	mg/g
Caryophyllene oxide	1.50	0.40	mg/g
cis-Nerolidol	ND	0.40	mg/g
Eucalyptol	0.751	0.40	mg/g
Geraniol	ND	0.40	mg/g
Guaiol	ND	0.40	mg/g
Isopulegol	ND	0.40	mg/g
Limonene	4.72	0.40	mg/g
Linalool	1.36	0.40	mg/g
Myrcene	5.77	0.40	mg/g
Ocimene	1.57	0.40	mg/g
Terpinolene	ND	0.40	mg/g
trans-Nerolidol	1.10	0.40	mg/g
α -Bisabolol	5.05	0.40	mg/g
α -Humulene	7.91	0.40	mg/g
α -Pinene	2.30	0.40	mg/g
α -Terpinene	ND	0.40	mg/g
β -Caryophyllene	20.1	0.40	mg/g
β -Pinene	1.97	0.40	mg/g
γ -Terpinene	ND	0.40	mg/g
Total Terpenes	54.1		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

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.

Approved for release by:

Jerry Chaney, Lab Director 03/14/18

North Coast Laboratories/HQAL

5680 West End Road • Arcata, California 95521-9202 • 707-822-5468

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Pesticides

LC-MS/MS	Result	MRL*	Units
Acequinocyl	ND	2.0	µg/g
Aldicarb	ND	0.40	µg/g
Avermectin B1a	ND	0.25	µg/g
Azoxystrobin	ND	0.10	µg/g
Bifenazate	ND	0.10	µg/g
Bifenthrin	ND	0.20	µg/g
Carbaryl	ND	0.20	µg/g
Chlorantraniliprole	ND	0.20	µg/g
Chlorpyrifos	ND	0.20	µg/g
Cyfluthrin	ND	1.0	µg/g
Daminozide	ND	1.0	µg/g
Diazinon	ND	0.10	µg/g
Dimethoate	ND	0.20	µg/g
Etoxazole	ND	0.10	µg/g
Fenoxycarb	ND	0.20	µg/g
Fipronil	ND	0.40	µg/g
Imazalil	ND	0.20	µg/g
Imidacloprid	ND	0.20	µg/g
Kresoxim-Methyl	ND	0.40	µg/g
Malathion	ND	0.20	µg/g
Methomyl	ND	0.20	µg/g
Myclobutanil	ND	0.10	µg/g
Paclobutrazol	ND	0.40	µg/g
Permethrin	ND	1.0	µg/g
Piperonyl butoxide	ND	0.20	µg/g
Propiconazole	ND	0.20	µg/g
Pyrethrin I	ND	0.60	µg/g
Pyrethrin II	ND	0.40	µg/g
Spinosyn A	ND	0.056	µg/g
Spinosyn D	ND	0.042	µg/g
Spiromesifen	ND	0.10	µg/g
Spirotetramat	ND	0.10	µg/g
Tebuconazole	ND	0.20	µg/g
Thiamethoxam	ND	0.20	µg/g
Trifloxystrobin	ND	0.10	µg/g

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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 03/14/18

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