

Analytical Report

Tested for: Merkabah, Inc
 Sample ID: WV-11102017-DOG(I)
 Sample Type: Oil
 Lab Sample ID: C1711089-03A
 Date Received: 11/13/2017 Date Tested 11/16/2017



Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	0.250	0.14	%
Cannabidiolic Acid (CBDA)	ND	0.14	%
Cannabigerol (CBG)	1.18	0.14	%
Cannabigerolic Acid (CBGA)	0.302	0.14	%
Cannabinol (CBN)	0.669	0.14	%
Tetrahydrocannabinol (Δ 9THC)	78.2	0.14	%
Tetrahydrocannabinolic Acid (THCa)	0.812	0.14	%

Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	81.5	NA	%
Total CBD equivalents	0.340	NA	%
Total THC equivalents	78.9	NA	%

Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.41	mg/g
Camphene	0.630	0.41	mg/g
Caryophyllene oxide	1.14	0.41	mg/g
cis-Nerolidol	ND	0.41	mg/g
Eucalyptol	ND	0.41	mg/g
Geraniol	ND	0.41	mg/g
Guaiol	1.40	0.41	mg/g
Isopulegol	ND	0.41	mg/g
Limonene	2.02	0.41	mg/g
Linalool	1.16	0.41	mg/g
Myrcene	1.42	0.41	mg/g
Ocimene	ND	0.41	mg/g
Terpinolene	5.14	0.41	mg/g
trans-Nerolidol	1.52	0.41	mg/g
α -Bisabolol	3.68	0.41	mg/g
α -Humulene	2.98	0.41	mg/g
α -Pinene	1.31	0.41	mg/g
α -Terpinene	ND	0.41	mg/g
β -Caryophyllene	8.02	0.41	mg/g
β -Pinene	1.39	0.41	mg/g
γ -Terpinene	1.30	0.41	mg/g
Total Terpenes	33.1		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. There are no safety limits imposed by California at this time.

Approved for release by:

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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
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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Approved for release by:

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