

Analytical Report

Tested for: Merkabah, Inc
 Sample ID: WV012518-(S) CL
 Sample Type: Oil
 Lab Sample ID: C1801098-01A
 Date Received: 1/25/2018 Date Tested 2/1/2018



Cannabinoid Potency

LC-DAD	Result	MRL*	Units
Cannabidiol (CBD)	0.152	0.14	%
Cannabidiolic Acid (CBDA)	ND	0.14	%
Cannabigerol (CBG)	1.50	0.14	%
Cannabigerolic Acid (CBGA)	ND	0.14	%
Cannabinol (CBN)	0.506	0.14	%
Tetrahydrocannabinol (Δ 9THC)	77.7	0.14	%
Tetrahydrocannabinolic Acid (THCa)	ND	0.14	%

Cannabinoid Summary

LC-DAD	Result	MRL*	Units
Total cannabinoids	79.8	NA	%
Total CBD equivalents	0.152	NA	%
Total THC equivalents	77.7	NA	%

Terpenes

GC-MS	Result	MRL*	Units
3-Carene	ND	0.39	mg/g
Camphene	ND	0.39	mg/g
Caryophyllene oxide	1.32	0.39	mg/g
cis-Nerolidol	ND	0.39	mg/g
Eucalyptol	ND	0.39	mg/g
Geraniol	ND	0.39	mg/g
Guaiol	1.13	0.39	mg/g
Isopulegol	ND	0.39	mg/g
Limonene	6.72	0.39	mg/g
Linalool	1.36	0.39	mg/g
Myrcene	6.23	0.39	mg/g
Ocimene	ND	0.39	mg/g
Terpinolene	1.24	0.39	mg/g
trans-Nerolidol	1.10	0.39	mg/g
α -Bisabolol	4.38	0.39	mg/g
α -Humulene	7.67	0.39	mg/g
α -Pinene	1.33	0.39	mg/g
α -Terpinene	ND	0.39	mg/g
β -Caryophyllene	25.5	0.39	mg/g
β -Pinene	1.82	0.39	mg/g
γ -Terpinene	ND	0.39	mg/g
Total Terpenes	59.8		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:

Analytical Report

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Date Received: 1/25/2018 Date Tested 1/29/2018



Pesticides

LC-MS/MS	Result	MRL*	Units
Acequinocyl	ND	2.0	µg/g
Aldicarb	ND	0.40	µg/g
Avermectin B1a	ND	0.50	µg/g
Azoxystrobin	ND	0.20	µg/g
Bifenazate	ND	0.20	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	0.20	µg/g
Dimethoate	ND	0.20	µg/g
Etoxazole	ND	0.20	µg/g
Fenoxycarb	ND	0.20	µg/g
Fipronil	ND	0.40	µg/g
Imazalil	ND	0.20	µg/g
Imidacloprid	ND	0.40	µg/g
Kresoxim-Methyl	ND	0.40	µg/g
Malathion	ND	0.20	µg/g
Methomyl	ND	0.40	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	0.11	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

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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 02/02/18

North Coast Laboratories/HQAL

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