

# Analytical Report

Tested for: Merkabah, Inc  
 Sample ID: 121817-WV-(H)LS  
 Sample Type: Oil  
 Lab Sample ID: C1712124-01A  
 Date Received: 12/18/2017 Date Tested 12/19/2017



## Cannabinoid Potency

| LC-DAD                                | Result | MRL* | Units |
|---------------------------------------|--------|------|-------|
| Cannabidiol (CBD)                     | 0.153  | 0.13 | %     |
| Cannabidiolic Acid (CBDA)             | ND     | 0.13 | %     |
| Cannabigerol (CBG)                    | 1.25   | 0.13 | %     |
| Cannabigerolic Acid (CBGA)            | ND     | 0.13 | %     |
| Cannabinol (CBN)                      | 0.388  | 0.13 | %     |
| Tetrahydrocannabinol ( $\Delta$ 9THC) | 72.7   | 0.13 | %     |
| Tetrahydrocannabinolic Acid (THCA)    | ND     | 0.13 | %     |

## Cannabinoid Summary

| LC-DAD                | Result | MRL* | Units |
|-----------------------|--------|------|-------|
| Total cannabinoids    | 74.5   | NA   | %     |
| Total CBD equivalents | 0.153  | NA   | %     |
| Total THC equivalents | 72.7   | NA   | %     |

## Terpenes

| GC-MS                  | Result | MRL* | Units |
|------------------------|--------|------|-------|
| 3-Carene               | ND     | 0.38 | mg/g  |
| Camphene               | ND     | 0.38 | mg/g  |
| Caryophyllene oxide    | 0.808  | 0.38 | mg/g  |
| cis-Nerolidol          | ND     | 0.38 | mg/g  |
| Eucalyptol             | ND     | 0.38 | mg/g  |
| Geraniol               | ND     | 0.38 | mg/g  |
| Guaiol                 | 0.523  | 0.38 | mg/g  |
| Isopulegol             | ND     | 0.38 | mg/g  |
| Limonene               | 4.51   | 0.38 | mg/g  |
| Linalool               | 1.76   | 0.38 | mg/g  |
| Myrcene                | 8.64   | 0.38 | mg/g  |
| Ocimene                | ND     | 0.38 | mg/g  |
| Terpinolene            | 2.72   | 0.38 | mg/g  |
| trans-Nerolidol        | 0.857  | 0.38 | mg/g  |
| $\alpha$ -Bisabolol    | 3.78   | 0.38 | mg/g  |
| $\alpha$ -Humulene     | 5.97   | 0.38 | mg/g  |
| $\alpha$ -Pinene       | 2.62   | 0.38 | mg/g  |
| $\alpha$ -Terpinene    | ND     | 0.38 | mg/g  |
| $\beta$ -Caryophyllene | 18.6   | 0.38 | mg/g  |
| $\beta$ -Pinene        | 2.67   | 0.38 | mg/g  |
| $\gamma$ -Terpinene    | 1.23   | 0.38 | mg/g  |
| Total Terpenes         | 54.6   |      | 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:

# Analytical Report

Tested for: Merkabah, Inc  
Sample ID: 121817-WV-(H)LS  
Sample Type: Oil  
Lab Sample ID: C1712124-01A  
Date Received: 12/18/2017      Date Tested 12/19/2017



## 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  |

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.