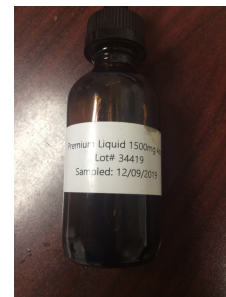


# Certificate of Analysis

## Sample Information

CTLA ID: 13115  
Date Received: 12/9/2019  
Sample Name: Premium Liquid 1500 mg 4 oz  
Lot Number: 34419  
Customer: MM Inc.



| Analysis                         | Method     | MDL Specification | Result    | Units  |
|----------------------------------|------------|-------------------|-----------|--------|
| <b>Complete Micro</b>            |            |                   |           |        |
| Total Plate Count                | USP <2021> | 100 Report        | <100      | cfu/g  |
| Total Coliforms                  | BAM CH.4   | 10 Report         | <10       | cfu/g  |
| <i>Escherichia coli</i>          | USP <2022> | Report            | Negative  |        |
| <i>Salmonella</i>                | USP <2022> | Report            | Negative  |        |
| <i>Staphylococcus aureus</i>     | USP <2022> | Report            | Negative  |        |
| Yeast & Mold                     | USP <2021> | 100 Report        | <100      | cfu/g  |
| <b>Heavy Metals</b>              |            |                   |           |        |
| Arsenic                          | USP <2232> | .001 Report       | 0.054     | ppm    |
| Cadmium                          | USP <2232> | .001 Report       | 0.001     | ppm    |
| Lead                             | USP <2232> | .001 Report       | <0.001    | ppm    |
| Mercury                          | USP <2232> | .001 Report       | <0.001    | ppm    |
| <b>Cannabinoid Concentration</b> |            |                   |           |        |
| Total Cannabidiol (CBD)          | HPLC       | 5.388 Report      | 1,551.873 | mg/4oz |
| Total Tetrahydrocannabinol (THC) | HPLC       | 0.005 Report      | ND        | %      |
| CBD                              | HPLC       | 5.388 Report      | 1,253.938 | mg/4oz |
| CBDA                             | HPLC       | 5.388 Report      | 339.721   | mg/4oz |
| Δ9-THC                           | HPLC       | 5.388 Report      | ND        | mg/4oz |
| THCA                             | HPLC       | 5.388 Report      | ND        | mg/4oz |
| Δ8-THC                           | HPLC       | 5.388 Report      | ND        | mg/4oz |
| THCV                             | HPLC       | 5.388 Report      | ND        | mg/4oz |
| CBDV                             | HPLC       | 5.388 Report      | ND        | mg/4oz |
| CBDVA                            | HPLC       | 5.388 Report      | ND        | mg/4oz |
| CBGA                             | HPLC       | 5.388 Report      | ND        | mg/4oz |

12/16/2019  
DATE

  
Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

|     |      |              |        |        |
|-----|------|--------------|--------|--------|
| CBG | HPLC | 5.388 Report | ND     | mg/4oz |
| CBN | HPLC | 5.388 Report | ND     | mg/4oz |
| CBC | HPLC | 5.388 Report | 32.572 | mg/4oz |
| CBL | HPLC | 5.388 Report | ND     | mg/4oz |

**Pesticides**

|                         |           |            |    |     |
|-------------------------|-----------|------------|----|-----|
| Abamectin               | USP <561> | .01 Report | ND | ppm |
| Acequinocyl             | USP <561> | .01 Report | ND | ppm |
| Bifenazate              | USP <561> | .01 Report | ND | ppm |
| Bifenthrin              | USP <561> | .01 Report | ND | ppm |
| Cyfluthrin              | USP <561> | .01 Report | ND | ppm |
| Cypermethrin            | USP <561> | .01 Report | ND | ppm |
| Daminozide              | USP <561> | .01 Report | ND | ppm |
| Dimethomorph            | USP <561> | .01 Report | ND | ppm |
| Etoxazole               | USP <561> | .01 Report | ND | ppm |
| Fenhexamid              | USP <561> | .01 Report | ND | ppm |
| Flonicamid              | USP <561> | .01 Report | ND | ppm |
| Fludioxonil             | USP <561> | .01 Report | ND | ppm |
| Imidacloprid            | USP <561> | .01 Report | ND | ppm |
| Myclobutanil            | USP <561> | .01 Report | ND | ppm |
| Paclobutrazol           | USP <561> | .01 Report | ND | ppm |
| Piperonyl Butoxide      | USP <561> | .01 Report | ND | ppm |
| Pyrethrins              | USP <561> | .01 Report | ND | ppm |
| Quintozene              | USP <561> | .01 Report | ND | ppm |
| Spinetoram              | USP <561> | .01 Report | ND | ppm |
| Spinosad                | USP <561> | .01 Report | ND | ppm |
| Spirotetramat           | USP <561> | .01 Report | ND | ppm |
| Thiamethoxam            | USP <561> | .01 Report | ND | ppm |
| Trifloxystrobin         | USP <561> | .01 Report | ND | ppm |
| Plant Growth Regulators | USP <561> | .01 Report | ND | ppm |

**Residual Solvents**

|          |           |           |    |     |
|----------|-----------|-----------|----|-----|
| Butanes  | USP <467> | 51 Report | ND | ppm |
| Heptanes | USP <467> | 51 Report | ND | ppm |
| Propanes | USP <467> | 51 Report | ND | ppm |

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ND = None Detected

Total CBD = CBD + (CBDA\*0.877)

Total THC =  $\Delta$ 9-THC +  $\Delta$ 8-THC

4 oz = 113.653 g

Density = 0.947 g/ml

Total Cannabinoids = 1,626.231 mg/4 oz

12/16/2019  
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