



Certificate ID: 43936      Received: 11/26/18  
 Client Sample ID: Kannastar CBD Oil\_10  
 Lot Number: KSTH-1000-181128  
 Matrix: Tincture - Hemp Oil



|   |                                      |                     |
|---|--------------------------------------|---------------------|
| Authorization:<br>Rebecca Stevens, Chemist II | Signature:<br><i>Rebecca Stevens</i> | Date:<br>12/19/2018 |
|---|--------------------------------------|---------------------|



The data contained within this report was collected in accordance with the requirements of ISO/IEC 17025:2005. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17]**

Analyst: JSG

Test Date: 12/17/2018

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

**43936-CN**

| ID      | Weight %   | Conc.        |    |                    |       |
|---------|------------|--------------|----|--------------------|-------|
| D9-THC  | ND         | ND           |    |                    |       |
| THCV    | 1.01 wt %  | 9.55 mg/mL   |    |                    |       |
| CBD     | 11.04 wt % | 104.52 mg/mL |    |                    |       |
| CBDV    | 2.14 wt %  | 20.23 mg/mL  |    |                    |       |
| CBG     | 0.49 wt %  | 4.67 mg/mL   |    |                    |       |
| CBC     | ND         | ND           |    |                    |       |
| CBN     | 0.01 wt %  | 0.06 mg/mL   |    |                    |       |
| THCA    | ND         | ND           |    |                    |       |
| CBDA    | ND         | ND           |    |                    |       |
| CBGA    | ND         | ND           |    |                    |       |
| Total   | 14.68 wt%  | 139.04 mg/mL | 0% | Cannabinoids (wt%) | 11.0% |
| Max THC | -          | -            |    |                    |       |
| Max CBD | 11.04 wt%  | 104.52 mg/mL |    |                    |       |

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

**END OF REPORT**