

# Certificate of Analysis

CN: Cannabinoid Profile & Potency [WI-10-04]

Analyst: JFD

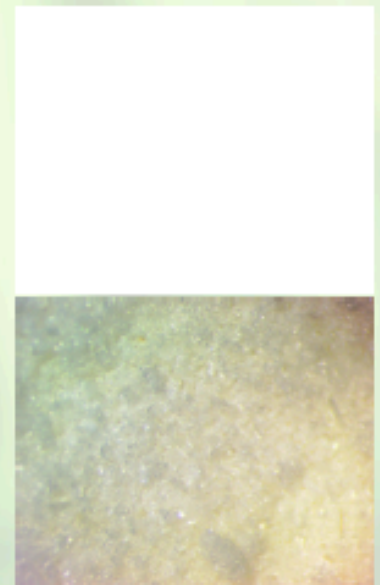
Test Date: 2/16/2018

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

26916-CN

- Δ9-THC    - THCV    98.78    0.80    -    0.02    -    -    -    0.03  
 Δ9-THC    THCV    CBD    CBDV    CBG    CBC    CBN    THCA    CBDA    CBGA

ID	Weight %	Conc.
Δ9-THC	ND	ND
THCV	ND	ND
CBD	98.78 wt %	987.80 mg/g
CBDV	0.80 wt %	8.01 mg/g
CBG	ND	ND
CBC	0.02 wt %	0.23 mg/g
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	0.03 wt %	0.27 mg/g
Total	99.63 wt%	996.31 mg/g
Max THC	-	-
Max CBD	98.78 wt%	987.80 mg/g



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)

HM: Heavy Metal Analysis [WI-10-13]

Analyst: JFD

Test Date: 2/14/2018

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

26916-HM

Symbol	Metal	Conc. <sup>1</sup>	Units	MDL	Use Limits <sup>2</sup>		Units	Status
					All	Ingestion		
As	Arsenic	ND	μg/kg	4	200	1500	μg/kg	PASS
Cd	Cadmium	1	μg/kg	1	200	500	μg/kg	PASS
Hg	Mercury	ND	μg/kg	2	100	1500	μg/kg	PASS
Pb	Lead	33	μg/kg	2	500	1000	μg/kg	PASS

1) ND = None detected to Lowest Limits of Detection (LLD)

2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.