



Certificate ID: **45801**

Received: **1/4/19**

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Haniel Concepts, Inc.

PO BOX 699

Perry, KS 66073

Attn: Joy Neely

Client Sample ID: **PM1000**

Lot Number: **HCO1803**

Matrix: **Tincture - Hemp Oil**

Authorization: Jon Podgorni, Lab Manager	Signature: 	Date: 1/23/2019
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. 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 & WI-10-17-01]

Analyst: LG

Test Date: 1/22/2019

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.

45801-CN

ID	Weight %	Conc.			
D9-THC	ND	ND			
THCV	ND	ND			
CBD	3.49 wt %	31.90 mg/mL			
CBDV	0.06 wt %	0.59 mg/mL			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	0.00 wt %	0.04 mg/mL			
CBGA	ND	ND			
Total	3.56 wt%	32.54 mg/mL	0%	Cannabinoids (wt%)	3.5%
Max THC	-	-			
Max CBD	3.49 wt%	31.94 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: $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$. ND = None detected above the limits of detection (LLD)