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## Certificate of Analysis

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Project Details	
Report Date	March 24, 2020
PSN Project Number	600194
PSN CoA ID	600194-001
Report Author	Jarrold D'Annibale
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Report Reviewer	Christy Albertson Matt Heidecker, Ph.D.

Sample/Test Details	
Sample Name(s)	CBD Tincture
Sample ID (Lot #)	2003-0001
Sample Form(s)	Concentrate
Date of Sample Receipt	March 12, 2020
Total Sample Weight	0.2600 g
Test Equipment	Perkin Elmer HPLC Model: Flexar SN: 295N19050801B
Tested for	Cannabinoids
Moisture Content	N/A
Operator(s)	Kevin Shaffer
Test Date(s)	March 17, 2020

### Cannabinoid Results

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC)

#### Cannabinoid Summary (HPLC)

	%
Δ9THC	0.29
THCa	N.D.
<b>Max THC</b>	<b>0.29</b>
CBD	4.01
CBDa	N.D.
<b>Max CBD</b>	<b>4.01</b>

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).

CoA ID: 600194-001