

**Certificate of Analysis - Cannabinoid Profile**

<b>Client:</b>	Wild Theory	<b>Date of Analysis:</b>	02042021
<b>WHS Customer #:</b>	WHSAA500	<b>Batch ID:</b>	02042021-2
<b>Sample Name:</b>	APW12103 - Wild Theory Black Label 1000mg Extra	<b>Sample Type:</b>	Oil

Sample Cannabinoid Results		
	wt%	mg/g
<b>Cannabidivarin (CBDV)</b>	0.03%	0.31
<b>Cannabidiolic acid (CBDA)</b>	0.04%	0.38
<b>Cannabigerol acid (CBGA)</b>	ND	ND
<b>Cannabigerol (CBG)</b>	0.11%	1.08
<b>Cannabidiol (CBD)</b>	3.39%	33.92
<b>Cannabinol (CBN)</b>	0.04%	0.41
<b>Delta-9-Tetrahydrocannabinol (d9-THC)</b>	0.21%	2.12
<b>Delta-8-Tetrahydrocannabinol (d8-THC)</b>	ND	ND
<b>Cannabichromene (CBC)</b>	0.15%	1.53
<b>Tetrahydrocannabinolic acid (THCA)</b>	ND	ND

Space for Sample Image

(optional):

CBD and THC Equivalents			
	wt%	mg/g	mg/lbs
<b>CBD Equivalents</b>	3.43%	34.26	15,537.98
<b>THC Equivalents</b>	0.21%	2.12	960.59
<b>CBD:THC Ratio</b>	<b>16:1</b>		

*Andrew Gould*

Lab Personnel Signature

**02042021**

Date Signed



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Date Printed: 02042021  
Invoice: n/a

## **WHS Testing Services - Scope**

### ***CBD and THC Equivalents explained***

CBD equivalents are defined as the sum of CBD and a portion of CBDA found in the tested sample mentioned above. The calculation for CBD equivalents is as follows:

$$\text{CBD Equivalents} = \text{CBD} + 0.877(\text{CBDA})$$

THC equivalents are defined as the sum of d9-THC and a portion of THCA found in the tested sample mentioned above. The calculation for THC equivalents is as follows:

$$\text{THC Equivalents} = \text{d9-THC} + 0.877(\text{THCA})$$

A constant value of 0.877 is implemented to account for the molecular mass difference of CBDA and THCA from CBD and d9-THC, respectively.

### ***Result Interpretations***

[Wisconsin Hemp Scientific](#) (WHS) lab staff are trained to adhere to the standards of practice established by WHS to conduct and troubleshoot experimentation as they relate to cannabinoid testing. Staff do not have specialties or credentials to answer questions or provide guidance in the areas including but not limited to growing, harvesting, extracting, differentiating “good and bad results,” and business operations conducted by WHS.

### ***Sample Preparation***

The analytical team takes care to report results that are representative of your sample while not compromising our range of detection or standards of practice. For tinctures, crudes, and formulated products, we premix each sample to homogenize the final sample to ensure accuracy and precision of the entire sample. Likewise, for flower and biomass products, we take a portion of each plant system (between flower and leaf in a 80/20% ratio, respectively) to go into the final sample to be tested.

### ***Testing Variability - Margin of Uncertainty (MU)***

Even with standards of practice being followed and regular equipment calibration, there can be a certain degree of variability in testing samples.

It should be understood that testing may not be reproduced except in its entirety. The variability in several sample types do not allow for the same results, even when from the same origin source. This is more so true for flower samples, but may still be applied to crudes, tinctures, balms, and distillate/isolate.



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## **Terms of Use**

### ***Privacy***

WHS will not release test results to any public entity other than the sole individual documented on the COA at the time of request. Test results will be held in house for a period of one year from the date results were documented. WHS reserves the right to publish data for the purposes of research and collaboration to promote and foster hemp research and advancement. In cases where data is relinquished in this fashion, data points will be masked to ensure no personal information is transmitted as to be traced back to the individual tester/company.

### ***Disclaimer***

The results reported in this certificate are solely for the purposes of research and development. This report is only for the sample listed above and may not be reproduced except in its entirety. This COA does not replace [Wisconsin Department of Agriculture, Trade, and Consumer Protection mandatory THC testing](#).