



WI Hemp Lab  
 info@wihemplab.com  
 Date Printed: 06272022  
 Invoice:

**Certificate of Analysis - Cannabinoid Profile**

<b>Client:</b>	Happy Pharms	<b>Date of Analysis:</b>	06272022
<b>WHS Customer #:</b>	WHSAA000	<b>Batch ID:</b>	06272022-12
<b>Sample Name:</b>	5BE1A3 - 750mg Isolate Tincture (1oz)	<b>Sample Type:</b>	Oil

Sample Cannabinoid Results		
	wt%	mg/g
<b>Cannabidivarin (CBDV)</b>	ND	ND
<b>Cannabidiolic acid (CBDA)</b>	ND	ND
<b>Cannabigerol acid (CBGA)</b>	ND	ND
<b>Cannabigerol (CBG)</b>	ND	ND
<b>Cannabidiol (CBD)</b>	2.58%	25.77
<b>Cannabinol (CBN)</b>	0.01%	0.14
<b>Delta-9-Tetrahydrocannabinol (d9-THC)</b>	ND	ND
<b>Delta-8-Tetrahydrocannabinol (d8-THC)</b>	ND	ND
<b>Cannabichromene (CBC)</b>	ND	ND
<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>	2.58%	25.77	n/a
<b>THC Equivalents</b>	ND	ND	n/a
<b>CBD:THC Ratio</b>	<b>THC Free</b>		

*Frank Mistryoty*

Lab Personnel Signature

**06272022**

Date Signed



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## Wisconsin Hemp Lab Testing Services - Scope

### ***CBD and THC Equivalentents explained***

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

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

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

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

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***

Lab staff are trained to adhere to the standards of practice 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.

### ***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. 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.

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.



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## **Terms of Use**

### ***Privacy***

Test results won't be released 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. Wisconsin Hemp Lab 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](#) or testing from any other governmental body.