

Name of Client:	HSM NATURA-LABS
Sample Name:	Pre-grow biomass
Date of Analysis	5/31/2021
Batch Number:	053121-2

Results		
	wt %	mg/g
Cannabidiolic acid - CBDA	14.08%	140.8
Cannabigerol - CBG	0.06%	0.6
Cannabidiol - CBD	2.94%	29.4
Cannabinol - CBN	ND	ND
Delta-9-Tetrahydrocannabinol - d9-THC	0.17%	0.17
Tetrahydrocannabinolic acid - THCA	0.11%	0.11

CBD and THC Equivalents		
	wt %	mg/g
CBD Equivalents	15.29%	152.9
THC Equivalents	0.28%	0.28

<b>CBD:THC Ratio</b>	<b>23:1</b>
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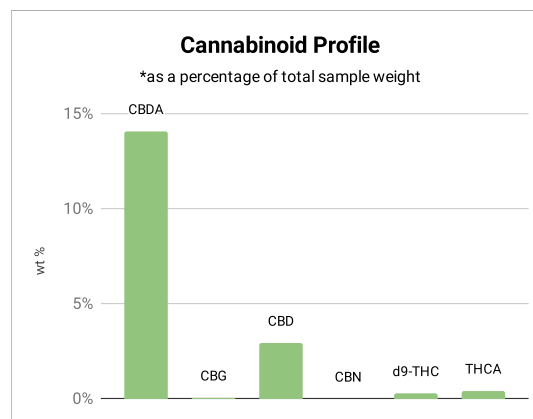
**CBD and THC Equivalents Explained**

CBD Equivalents = 0.720\*CBDA + CBD  
 THC Equivalents = 0.280\*THCA + d9-THC

Upon heating CBDA and THCA transform into CBD and d9-THC, respectively. This process is called decarboxylation because a carboxyl group is lost in the process. It is standard to calculate the actual weight percent/concentration of both CBD and THC as the weight percent/concentration assuming all of the CBDA and THCA are decarboxylated.

Lab Personnel Signature: *Griffin Lynch*  
 Date: 7/31/2019

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**Details of Testing**

High performance liquid chromatography (HPLC) was used to determine concentrations of CBD, CBG, CBDA, CBN, d9-THC, and THCA. Any result reported back as ND (not detected) is below our lower limit of detection. Our lower limit of detection is 0.005%. Results are reported on a dry weight basis.

**Disclaimer**

These results 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.