



### Certificate of Analysis

Name of Client:	Gary Thompson
Sample Name:	Midwest Variety
Date of Analysis	09-24-19
Batch Number:	09242019-26

Results		
	wt %	mg/g
Cannabidiolic acid - CBDA	9.38%	93.8
Cannabigerol - CBG	0.69%	6.9
Cannabidiol - CBD	ND	ND
Cannabinol - CBN	ND	ND
Delta-9-Tetrahydrocannabinol - d9-THC	0.13%	1.3
Tetrahydrocannabinolic acid - THCA	0.32%	3.2

CBD and THC Equivalents		
	wt %	mg/g
CBD Equivalents	8.23%	82.3
THC Equivalents	0.41%	4.1

<b>CBD:THC Ratio</b>	<b>20:1</b>
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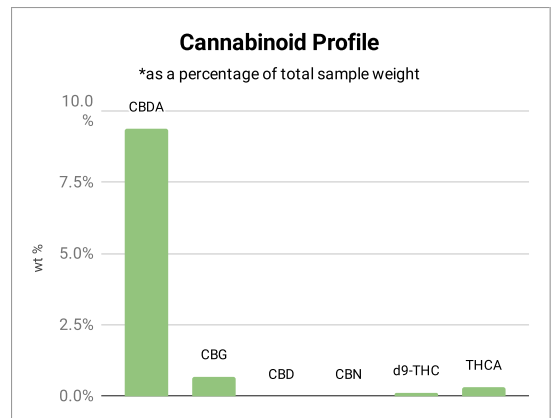
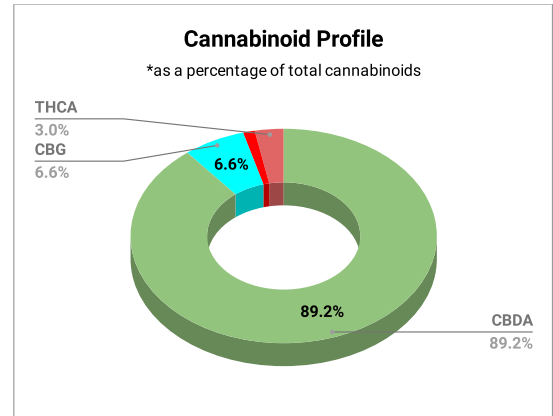
#### CBD and THC Equivalents Explained

CBD Equivalents = 0.877\*CBDA + CBD  
 THC Equivalents = 0.877\*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:	<i>Benjamin Kluge</i>
Date:	09-24-19

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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.