



Certificate ID: **99346**

Received: **11/16/21**

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Stacks Family Farms

1501 Saint Andrew Street

La Crosse, WI 54603

Attn: Dan Schmidt knecht

Client Sample ID: **Mustard Berry**

Lot Number:

Matrix: **Flowers/Bud - Dry Flower**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 11/22/2021
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: AC

Test Date: 11/18/2021

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

99346-CN

ID	Weight %	Concentration (mg/g)			
D9-THC	0.0377	0.377			
THCV	ND	ND			
CBD	0.291	2.91			
CBDV	ND	ND			
CBG	0.0708	0.708			
CBC	0.0342	0.342			
CBN	ND	ND			
THCA	0.781	7.81			
CBDA	18.0	180			
CBGA	0.512	5.12			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	19.7	197	0%	Cannabinoids (wt%)	18.0%
Max THC	0.723	7.23		Limit of Quantitation (LOQ) = 0.0067 wt%	
Max CBD	16.1	161		Limit of Detection (LOD) = 0.0022 wt%	

Ratio of Total CBD to THC 22.2:1

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: $MAX\ THC = (0.877 \times THCA) + THC$. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

END OF REPORT