



Certificate ID: **66657**

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**BZ Sciences LLC**

**2420 Southview Ct.**

**Hastings, MN 55033**

**Attn: Zach Rohr**

Client Sample ID: **Miny Grown Tincture**

Lot Number:

Matrix: **Tincture/Infused Oil - MCT Oil**

Authorization: Elizabeth R. Wagoner, Lab Director	Signature: 	Date: 10/15/2019
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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: JSG*

*Test Date: 10/11/2019*

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.

**66657-CN**

ID	Weight %	Concentration (mg/mL)		
D9-THC	0.08	0.72		
THCV	ND	ND		
CBD	2.16	20.18		
CBDV	0.02	0.16		
CBG	0.05	0.50		
CBC	<0.01	<LOQ		
CBN	ND	ND		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
D8-THC	ND	ND		
exo-THC	ND	ND		
Total	2.32	21.63	0%	Cannabinoids (wt%) 2.2%
Max THC	0.08	0.72		
Max CBD	2.16	20.18		

**Ratio of Total CBD to THC 27.9:1**

Limit of Quantitation (LOQ) = 0.01 wt%

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 x 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 half of LOQ.

**MB2: Pathogenic Bacterial Contaminants [WI-10-10]***Analyst: LabAdmin**Test Date: 10/9/2019*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**66657-MB2**

Test ID	Analysis	Results	Units	Limits*	Status
66657-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
66657-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

**END OF REPORT**