

Certificate ID: **104748**

Received: **4/28/22**

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**Champlain Valley Organics**

**1916 Smith Street**

**Shoreham, VT 05770**

**Attn: Jonathan Namanworth**

Client Sample ID: **600mg - Natural Tincture**

Lot Number:

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

Authorization: <b>Andrew Aubin, Lab Director</b>	Signature: 	Date: <b>5/4/2022</b>
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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: 5/3/2022*

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.

**104748-CN**

ID	Weight %	Concentration (mg/mL)		
<b>Δ9-THC</b>	<b>0.0945</b>	<b>0.896</b>		
THCV	ND	ND		
CBD	2.14	20.3		
CBDV	0.0200	0.190		
CBG	0.0317	0.301		
CBC	0.120	1.14		
CBN	ND	ND		
THCA	ND	ND		
CBDA	0.0450	0.427		
CBGA	ND	ND		
CBDVA	ND	ND		
Δ8-THC	ND	ND		
exo-THC	ND	ND		
<b>Total</b>	<b>2.45</b>	<b>23.3</b>	<b>0%</b>	<b>Cannabinoids (wt%) 2.14%</b>
Max THC	0.0945	0.896		Limit of Quantitation (LOQ) = 0.0111 wt%
Max CBD	2.18	20.7		Limit of Detection (LOD) = 0.0037 wt%

**Ratio of Total CBD to THC 23.1:1**

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