

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

Analyst: SD Test Date: 8/22/2023

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.

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ID	Weight %	Concentration (mg/g)	
<b>Δ9-THC</b>	0.299	2.99	
THCV	ND	ND	
CBD	2.75	27.5	
CBDV	ND	ND	
CBG	0.245	2.45	
CBC	ND	ND	
CBN	0.376	3.76	
THCA	ND	ND	
CBDA	2.28	22.8	
CBGA	1.42	14.2	
CBDVA	0.0134	0.134	
∆8-THC	1.15	11.5	
exo-THC	0.101	1.01	
9(S)-HHC	7.37	73.7	
9(R)-HHC	17.6	176	
Total	33.6	336	0% Cannabinoids (wt%) 17.6%
Total THC	0.299	2.99	Limit of Quantitation (LOQ) = $0.00653 \text{ wt\%}$
Total CBD	4.75	47.5	Limit of Detection (LOD) = 0.00218 wt%
Ratio of Total CR	D to THC 15 0.1		

## Ratio of Total CBD to THC 15.9:1

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**

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