



Certificate of Analysis

Cannabinoid Potency

Sample Details			
Client name:	Medican Campus Oil		
Sample name:	CBD 25%	Sample ID:	MC-002-4
Date of delivery:	04/10/2019	Sample type:	Edible Oil
Date of analysis:	04/10/2019	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDa	<LOD	#####	0.07	0.19	CBDa
CBGa	<LOD	#####	0.07	0.19	CBGa
CBD	28.5	285	0.09	0.19	CBD
CBG	<LOD	#####	0.09	0.19	CBG
THCV	<LOD	#####	0.09	0.19	THCV
THCa	<LOD	#####	0.05	0.19	THCa
CBN	<LOD	#####	0.03	0.19	CBN
D9-THC	<LOD	#####	0.03	0.19	D9-THC
CBC	<LOD	#####	0.03	0.19	CBC

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	<LOD		
Total CBD = (0.877xCBDa + CBD) =	28.50	Total cannabinoid Content (% of mass) =	28.5

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.25ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 6.67	Injection	8uL
B	Methanol	# Injections	2

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		12/04/2019

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, N.D - Not Detected, <LOQ - Below Limits Of Quantification
 CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV - Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Detector