



# Certificate of Analysis

## Cannabinoid Potency

Sample Details			
Client name:	Green Element	Batch ID:	SL71021B
Sample name:	Slidderz	Sample ID:	UR-042-007
Date of delivery:	04/11/2021	Sample type:	Other
Date of analysis:	10/11/2021	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDa	<LOD	#####	0.37	0.45	
CBGa	<LOD	#####	0.37	0.45	
CBD	58.7	587	0.48	0.45	
CBG	<LOD	#####	0.48	0.45	
THCV	<LOD	#####	0.48	0.45	
THCa	<LOD	#####	0.26	0.45	
CBN	<LOD	#####	0.16	0.45	
D9-THC	<LOD	#####	0.16	0.45	
CBC	<LOQ	#####	0.16	0.45	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	<LOD	Total cannabinoid Content (% of mass) =	58.7
Total CBD = (0.877xCBDa + CBD)=	58.70	Total CBD mass per unit =	99.79

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	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		16/11/2021

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <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 Diode Array Detector