

**CERTIFICATE OF ANALYSIS**  
 Doc. No. 242/046/03/20

<b>Product:</b> Extraction of Cannabis sativa		
<b>Batch Number:</b> N/A Extracted on 23/02/2020	<b>Pack size:</b> N/A	<b>Expiry date:</b> N/A
<b>Date received:</b> 24 February 2020	<b>Samples size:</b> N/A	<b>Condition of sample:</b> Good
<b>Client:</b> RSAMMD/PROTEXT PHARMA		<b>Samples analysed:</b> 26 to 29 February 2020

**Table 1. Cannabinoids Test using Hitachi Chromatography system HPLC-PDA.  
 Extracted with Methanol**

Cannabinoids	Hemp	Cannabis sativa				
		██████████	██████████	██████████	██████████	██████████
Delta-9-THC	0.07 mg/g (0.007 %m/m)	7.15 mg/g (0.715 %m/m)	5.56 mg/g (0.556 %m/m)	6.20 mg/g (0.620 %m/m)	5.33 mg/g (0.533 %m/m)	5.47 mg/g (0.547 %m/m)
Delta-9-THCA	N/D	N/D	N/D	N/D	N/D	0.38 mg/g (0.038 %m/m)
CBD	0.21 mg/g (0.021 %m/m)	N/D	N/D	N/D	N/D	N/D

N/D = Not detected

**Table 2. Samples as received diluted with water and tested without Methanol extraction**

Cannabinoids	Hemp	Cannabis sativa				
		██████████	██████████	██████████	██████████	██████████
Delta-9-THC	0.07 mg/g (0.007 %m/m)	0.07 mg/g (0.007 %m/m)				
Delta-9-THCA	N/D	N/D				
CBD	N/D	N/D				

N/D = Not detected. Only Hemp ██████ °C and Cannabis sativa ██████ °C tested in water

Other Cannabinoids (CBDA, CBDV, CBC, CBN, CBG, CBGA, D8-THC, THCV) Not Tested for during this initial screening:

FJ Potgieter  
 Responsible Person  
 7 March 2020

**Table 3 Samples centrifuge at 6 000 rpm for 10 minutes. Supernatant (top layer) and sludge (bottom layer) extracted with Methanol**

Cannabinoids	Hemp		Cannabis sativa									
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
D-9-THC mg/g	0.024 0.0024 %	0.14 0.014 %	2.076 0.2076 %	1.087 0.1087 %	1.327 0.1327 %	7.165 0.7165 %	1.544 0.1544 %	5.013 0.5013 %	1.194 0.1194 %	10.596 1.0596 %	3.02 0.302 %	5.745 0.575 %
CBD mg/g	0.048	0.39	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D

N/D = Not detected

**Table 4. Cannabinoids Test using Hitachi Chromatography system HPLC-PDA. Leaves and Flower**

Cannabinoids	Leaves	Flower
Delta-9-THC	0.136 mg/g (0.0136 %m/m)	LOQ
Delta-9-THCA	7.90 mg/g (.79 %m/m)	43.92 mg/g (4.392 %m/m)
CBN	0.229 (0.0229 %m/m)	0.136 mg/g (0.0136 %m/m)

LOQ = below limit of Quantification

FJ Potgieter  
 Responsible Person  
 9 March 2020