



Date: 04-03-2022

## **CALIBRATION CERTIFICATE**

**TO WHOMSOEVER IT MAY CONCERN**

We hereby certify that the Electrolyte Analyzer Model **NuLYTE SMART**, which belong to **Arpan Diagnostics Centre, Rajkot** and is installed in Laboratory is Standardized and tested on **04<sup>th</sup> March,2020**.

Measured mV Values are:-

<b>S.N.</b>	<b>Electrode</b>	<b>Calibration Slope (mV)</b>	<b>Calibration Ranges (mV)</b>
01	Na <sup>+</sup>	67.43 mV/dec	35-100 mV/dec
02	K <sup>+</sup>	68.17 mV/dec	35-100 mV/dec
03	iCa <sup>++</sup>	43.10 mV/dec	15- 35 mV/dec

QC Measurement ( QC LEVEL LOT NO:-UQC19F Exp: May. 2023)

<b>S.N</b>	<b>Parameter</b>	<b>Expected Values (mmol/L)</b>
		<b>LEVEL 2</b>
01	Na <sup>+</sup>	133 – 147
02	K <sup>+</sup>	3.46 – 4.46
03	iCa <sup>++</sup>	1.10-1.35

Measured Values are:-

<b>S.N</b>	<b>Parameter</b>	<b>Measured Values (mmol/L)</b>
		<b>LEVEL 2</b>
01	Na <sup>+</sup>	138
02	K <sup>+</sup>	3.96
03	iCa <sup>++</sup>	1.22

Successful completion of the preceding activities and checks indicates that this instrument has been satisfactorily installed. The instrument has passed the Installation Qualification procedure. This Calibration Certificate is valid for one year.

**For PathoHub Biomedical LLP,**

**(Authorized Signatory)**