

Date: 27-12-2023

## CALIBRATION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

We hereby certify that the Electrolyte Analyzer Model NuLYTE PLUS, which belongs to Galaxy Imaging & Path Lab and is installed in Laboratory is Standardized and tested on 27<sup>th</sup> Dec, 2023.

Measured mV Values are:-

S.N.	Electrode	Calibration Slope (mV)	Calibration Ranges (mV)
01	Na <sup>+</sup>	65.51 mV/dec	35-100 mV/dec
02	K <sup>+</sup>	67.94 mV/dec	35-100 mV/dec
03	Cl <sup>-</sup>	57.87 mV/dec	30-100 mV/dec
04	Ca <sup>++</sup>	38.45 mV/dec	15-50 mV/dec

QC Measurement Lot No: . UQC2307A Exp: Jun 2025)

S.N	Parameter	Expected Values (mmol/L)		
		LEVEL 1	LEVEL 2	LEVEL 3
01	Na <sup>+</sup>	111 - 129	133 - 147	151 - 169
02	K <sup>+</sup>	2.11 - 2.61	3.60 - 4.60	5.40 - 6.40
03	Cl <sup>-</sup>	73 - 91	94 - 108	113 - 131
04	Ca <sup>++</sup>	1.35 - 2.35	0.65 - 1.65	0.17 - 1.17

Measured Values are:-

S.N	Parameter	Measured Values (mmol/L)		
		LEVEL 1	LEVEL 2	LEVEL 3
01	Na <sup>+</sup>	123.3	140.8	166.1
02	K <sup>+</sup>	2.12	4.04	6.15
03	Cl <sup>-</sup>	85.4	100.1	123.1
04	Ca <sup>++</sup>	1.98	1.24	0.72

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. Next Calibration is due on 27<sup>th</sup> Dec, 2024.

For Labsakha Diagnostics Pvt. Ltd.,



(Authorized Signatory)

DSIIDC Shed No 22, First Floor, Scheme-3, Okhla Industrial Area,  
Phase-II, New Delhi-110020

011-40501476 | 40501477 ✉ info@labsakha.com

[www.labsakha.com](http://www.labsakha.com)

CIN : U33309DL2018PTC330012



ANALYZE QC QUALITY CONTROL  
Dec-27-23 16:01:03

USER SETTINGS  
USER SETTINGS  
QC1 RANGES

Na Min :111.00  
Na Max :129.00  
K Max :2.61  
K Min :2.11  
Cl Max :91.00  
Cl Min :73.00  
K Min :1.61  
iCa Max:2.35  
iCa Min:1.35

QC2 RANGES

Na Max :147.00  
Na Min :133.00  
K Max :4.60  
K Min :3.60  
iCa Max:1.65  
iCa Min:0.65  
Cl Max :108.00  
Cl Min :94.00

QC3 RANGES

Na Max :169.00  
Na Min :151.00  
K Max :6.40  
K Min :5.40  
iCa Max:1.17  
iCa Min:0.17  
Cl Max :131.00  
Cl Min :113.00

USER SETTINGS

PRINTER : ON  
Dec-27-23 16:24:26

6-1  
ANALYZE QC/H2O

Na =123.3 mmol/  
K =2.12 mmol/  
iCa=1.98 mmol/  
Cl =85.4 mmol/

Dec-27-23 16:38:38

ANALYZE PLUS  
LEVEL 2

ANALYZE QC/H2O

Na =141.8 mmol/L  
K =4.02 mmol/L  
iCa=1.24 mmol/L  
Cl =100.1 mmol/L

Dec-27-23 16:41:58

ANALYZE PLUS  
LEVEL 3

ANALYZE QC/H2O

Na =166.1 mmol/L  
K =6.15 mmol/L  
iCa=0.72 mmol/L  
Cl =123.1 mmol/L

Dec-27-23 16:44:41



Date – 27-12-2023

## OPERATION QUALIFICATION

This is for operational verification of **NuLYTE PLUS** ELCTROLYTE ANALYZER at **Galaxy Imaging & Path Lab**, A-64, Sector 7, Dwarka, New Delhi -110075.

Purchase Order Date 27-12-2023

Equipment Received as per order Yes

Equipment Accessories O.K.

Equipment Safety and Control Provisions O.K.

This instrument operates within specified set of parameters under normal operational condition.

Equipment was checked and found to be operating satisfactorily as per the specifications (Refer Operator Manual)

All acceptance criteria are passed in the operational qualification.

For **Labsakha Diagnostics Pvt. Ltd.,**



**Authorized Signatory**

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Date 27-12-2023

**Installation / Qualification Report**

Customer Name	Galaxy Imaging & Path Lab	
Address	A-64, Sector 7, Dwarka, Near ICICI Bank, Ramphal Chowk, New Delhi -110075	
Equipment	Electrolyte Analyser	
Model	NuLYTE PLUS	
Serial No.	NLP-3388	
Supplier Name	Labsakha Diagnostics Pvt. Ltd, DSIIDC, Shed No 22, Scheme 3, Okhla Industrial Area, Phase -2, New Delhi -110020	
Installation Date	27-12-2023	
Power Supply	220 V	O.K
Daily Maintenance	O.K	
Calibration Report	O.K	

**Basic Conditions:**

Power Input      Ground-Neutral      00 to 05 V  
                          Neutral -Phase      180 to 240 V  
                          Phase-Ground      180 to 240 V  
 UPS                1 KVA Microtech UPS output with 180 to 240 V



Cont..2..

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**Location Specifications:**

1. Keep Away from or shielded from any centrifuges, X-Ray sources, Ultrasound, Nuclear and Magnetic Equipment.
2. Also keep away from direct sunlight, A.C. vent, heat vent and other heat producing equipments
3. Stable Level, Non-porous and Non-absorbing work surface.
4. 15°-32° C, Room Temperature (60°-90°F) < 85% Humidity

The location for Installation and the Equipment were checked as per specifications and the equipment was installed.

**For Labsakha Diagnostics Pvt. Ltd.,**



**(Authorized Signatory)**

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CIN : U33309DL2018PTC330012



Date -27-12-2023

## PERFORMANCE QUALIFICATION

The performance of the equipment **NuLYTE PLUS** S.No. NLP-3388 was checked for the following:

Na<sup>+</sup>/K<sup>+</sup>/Cl<sup>-</sup>/Ca<sup>++</sup> Electrode voltage verification  
Calibration Time verification

The results are well within the acceptable range.

Operational Status - Working

Equipment has been validated to perform desired parameters.

Performance for parameters (Na<sup>+</sup>/K<sup>+</sup>/Cl<sup>-</sup>/Ca<sup>++</sup>) verified with commercial control.

Run Level-1, Level 2, Level 3 control and results are within acceptable range.

Calibration Date 27-12-2023

Calibration Validity One Year

Next Calibration due 27-12-2024

For Labsakha Diagnostics Pvt. Ltd.,



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NULYTE PLUS  
LEVEL 2

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