

**Installation Qualification for EASY ELECTROLYTES Analyzer**

Customer Name: Redcliffe Labs.

Address: F-82, Patel Nagar City Center Infront of  
Osho Meditation Center, Gwalior.

Instrument: Automated Electrolyte analyzer

Model: Medica Easy Electrolytes (NaKCl)

Serial Number: 0122041006.

Initial inspection of the unit carried out and their details are as follows:

System Condition Report:

Found the system to have been delivered in satisfactory condition. There was no external physical damage observed.

The presence of all the accessories as per requirement was ascertained.

Installation procedure and checklist are attached for the records.

External requirements for Installation:

1. Input voltage of 220V-240V / 50Hz or 60Hz.
2. Recommended operating temperature is 15 - 32°C, with the relative humidity Less than 85% and atmospheric pressure of 70 – 106 KPa.

**Installation Certificate for EASY ELECTROLYTES Analyzer (Sr.No.0122041006).**

This is to certify that the instrument EASY ELECTROLYTES Serial No.0122041006  
Is successfully installed and commissioned at Redcliffe Labs.

The Installation protocol has been successfully completed for this Electrolyte analyzer.

Date of Installation: 13-06-2022.

For SPARK SCIENTIFIC , Technical Services Department

Name: Ishfaq Ahmad

Designation: Asst. Manager Service.

Date: 13-06-2022.

**Installation Qualifications for EASY ELECTROLYTES Analyzer**  
**(Sr.No.0122041006)**

Carried out all the installation procedures as per the recommended installation protocol.

Carried out all the necessary checks.

Performed the Quality control test and the results were found to be appropriate.

Handed over the instrument for the user operation in satisfactory condition.

For SPARK SCIENTIFIC , Technical Services Department

Name: *Ishtiaq Ahmad*

Designation: *Asst. Manager service.*

Date: *13-06-2022.*

## Installation Report for EASY ELECTROLYTES

Customer Name: Redcliffe Labs.

Instrument Model: Medica EASY ELECTROLYTES Analyzer

Serial Number: 0122041006

Date of Installation: 13-06-2022.

The instrument was installed and was found to be working satisfactorily. Preliminary customer Training was provided and standardization of the parameters was done. The results were found to be within the expected range and the system found to be working Satisfactorily.

SPARK SCIENTIFIC , Technical Services Department

Name: Ishtiaq Ahmad

Designation: Asst. Manager service.

Signature: Ahmad.

Customer

Name: Redcliffe Labs.

Contact Person: Mr. Manoj

Designation: Lab supervisor.

Signature: 

## **Instrument Setup ???**

1. Assembled the instrument accessories.
2. Instrument was placed as per installation space and environment requirements.
3. Installed the dust prevention filter.
4. Connected the power cord to the proper power supply outlet.
5. Adjusted the LCD brightness to the desired level.
6. Set the printer paper in the built-in thermal printer.

**SPARK SCIENTIFIC, Technical Services Department**

**Name:** *Ishtiaq Ahmad.*

**Designation:** *Asst. Manager Service.*

**Date:** *13-06-2022.*

**Operational Qualification:**

**System Certification:**

Study data has determined that the system described in this document meets the criteria outlined in the operational protocol.

The system is ready for specific usage.

Protocol performed by:

Name: *Ishfaq Ahmad.*

Designation: *Asst. Manager Service.*

Customer Authorization:

Name: *Mr. Manoj*

Designation: *Lab Supervisor.*

Company Representative

Name: *Ishfaq Ahmad.*

Signature: *Ahmad.*

Date: *13-06-2022.*

Customer

Name: *Mr. Manoj*

Signature: *M*

Date: *13-06-2022.*

**Operations Qualifications for EASY ELECTROLYTES Analyzer (Sr.No 122041006)**

1. Verified the self check performed by the system without any errors: Done
2. Verified that temperature check and ready status display at the detector positions: Done
3. Verified the printing operation of the system for appropriate print status: Done
4. Verified the performance of membrane keypad: Done
5. Verified the results for controls and samples: Done

**SPARK SCIENTIFIC , Technical services Department**

**Name:** *Ishtiaq Ahmad.*

**Designation:** *Asst. Manager service.*

**Date:** *13-06-2022.*

**Performance Qualifications for EASY ELECTROLYTES Analyzer (Sr.No. 22041006)**

**Calibration Parameters**

Verified that all the control parameters were within the acceptable limits and in range.

Verified for precision and found that control values were within acceptable CV.

**System Certification:**

Study data has determined that the system described in this document either meets the necessary criteria outlined in this performance qualification protocol.

The system is ready for specific usage.

Protocol performed by:

Name: *Ishtiaq Ahmad*

Designation: *Asst. Service Manager.*

Performance Qualification done by: *Mr. Manoj*

Designation: *Lab Supervisor.*