




TRANSASIA
ERBA Chem 5X NS
SEMI-AUTOMATED BIO-CHEMISTRY
ANALYZER
INSTRUMENT QUALIFICATION DOCUMENT
FOR

**GREEN LIFE LAB & DIAGNOSTIC CENTER RUN BY GREEN LIFE INSTITUTE OF EDUCATION
AND RESEARCH ,JAIPUR (RAJ.)**

VALIDITY OF CERTIFICATE:11-11-2023 (THREE MONTHS)

Name: Surendra Rajawat
Designation: Service engineer
Signature : 
Date 12-08-2023





Installation Qualification for Erba Chem5X NS

Customer Name : GREEN LIFE LAB & DIAGNOSTIC CENTER RUN BY GREEN LIFE INSTITUTE OF EDUCATION AND RESEARCH, JAIPUR (RAJ.)

Address : TODI, Sikar Road, Jaipur

Instrument Model: Chem-5x

Serial Number: S23Q705

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

System Condition Report:

Found the System to have been delivered in satisfactory condition.

Confirmed and found all the required accessories as per dispatch note as per table below.

Sr No.	Description	Qty
1.	POWER CORD 3 PIN 250V/6A	1
2.	USER MANUAL - Chem-5X-New Scheme (Domestic)	1
3.	THERMAL PRINTER PAPER ROLL (57mm x30mt.)	1
4.	RECTANGULAR POLY. MICRO CUVETTE	5
5.	ALLEN KEY 3MM	1
6.	T200y Pipet Tips Series 200ul(Yellow)	100
7.	T1000b Pipet Tips Series 1000ul(Blue)	100
8.	ROUND GLASS MICROCUVETTES	5
9.	DUST COVER FOR Chem-5 XNS	1
10.	TEST TUBE HOLDER (with O-ring)	1
11.	Pipette Stand (Plastic)	1
12.	PROLINE SINGLE CHANNEL VARIABLE VOLUME MECHANICAL PIPETTES 5UL - 50UL (CAT. NO 720020)	1
13.	PROLINE SINGLE CHANNEL VARIABLE VOLUME MECHANICAL PIPETTE 100UL - 1000UL (CAT. NO 720060)	1
14.	ERBA WASH (4 X 50 ML)	1

Installation Procedure & Checklist Attached for records.





UNMATCHED SERVICE
SINCE 1979

110, P.O. Box 100, Transasia House & Chartered Surveyors, 110, P.O. Box 100, New Delhi - 110 002
91 22 4332 8000 Fax: 91 22 2832 3033 Email: transasia@transasia.co.in


External Requirements for Installation:

1. Input voltage of 220V-240V / 50Hz or 60Hz.
2. Perfect earthing was provided at power source with all applicable local requirement (A grounded, power plug only should be used). The voltage between earth and neutral should not exceed more than 3V.

Installation Certificate for

This is to certify that the Instrument Serial No. S230705 is successfully installed and commissioned at GREEN LIFE LAB & DIAGNOSTIC CENTER, RUN BY GREEN LIFE INSTITUTE OF EDUCATION AND RESEARCH, JAIPUR (RAJ.) and the Installation Protocol / checklist has been successfully completed for the above instrument.

For TBM, Technical Services Department

Name :  Surendra Rajawat
Designation : service engineer





Installation Qualification for Erba Chem5X NS

Carried out all the Installation Procedures as per the Installation Procedure & Checklists.

Connected the Peristaltic Pump tubing correctly & placed the end of the waste tubing coming out of the analyzer into the waste bottle provided for collecting waste.

Carried out all the necessary system checks and tests.

Performed all due maintenance activities.

Handed over the Instrument for Operators Training & Qualifications

For TBM, Technical Services Department


Name: Surendra Rajawat
Designation: Service engineer
Date: 12-08-2023





Installation Report for ErbaChem5X NS

Customer Name : GREEN LIFE LAB & DIAGNOSTIC CENTER RUN BY GREEN LIFE INSTITUTE OF EDUCATION AND RESEARCH ,JAIPUR (RAJ.)
Department : Lab
Contact Person: KANHAIYALAL KUMAWAT SEC. GREEN LIFE INSTITUTE OF EDUCATION AND RESEARCH ,JAIPUR (RAJ.)

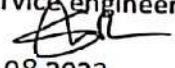
Instrument Model : Erba Chem-5X NS


Serial Number : S230705

Date of Installation: 12-08-2023

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

TBM, Technical Services Department Customer Detail.

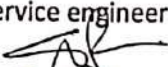
Name: Surendra Rajawat
Designation: Service engineer
Signature : 
Date : 12-08-2023


Name : MS NIDHI KUMAWAT
Designation: LT
Signature : 
Date: 12-08-2023

Instrument Setup

1. Assembled the instrument accessories.
2. Connected the 3/2 pin cord (with earth terminal) of the external SMPS to the mains socket & checked the output of the SMPS it should be 18V DC +/- 1.0 V DC.
3. Connected the Peristaltic Pump tubing & placed the end of the waste tubing coming out of the analyzer into the waste bottle provided for collecting the waste.
4. Mounted the printer paper.

TBM, Technical Services Department Customer Detail

Name: Surendra Rajawat
Designation: Service engineer
Signature : 
Date 12-08-2023

Name : MS NIDHI KUMAWAT
Designation: LT
Signature : 
Date: 12-08-2023

Operational Qualification For Erba Chem5X NS

System Certification:

Study data has determined that the System described in this document either meets all criteria outlined in this Operational Protocol, or exceptional conditions have been identified and documentation included.

Exceptional conditions, if any, have been addressed.

The System is ready for specific usage.

Protocol Performed By:

Name: Surendra Rajawat
Designation: service engineer

Customer Authorization: KANHAIYALAL KUMAWAT SEC. GREEN LIFE INSTITUTE OF
EDUCATION AND RESEARCH ,JAIPUR (RAJ.)

Name: KANHAIYALAL KUMAWAT SEC. GREEN LIFE INSTITUTE OF
EDUCATION AND RESEARCH ,JAIPUR (RAJ.)

Designation: owner

Company Representative Sign:- 

Date:- 12-08-2023


Customer Sign:-

Date:- 12-08-2023



Operational Qualification for Erba Chem5X NS

[A] FUNCTIONAL CHECK :
 2160

1. PUMP CALIBRATION

(Calibrate the peristaltic pump and record the count range from 1800 to 2700)

2. PRINTER TEST

(To carry out printer function test from maintenance menu and to confirm that all characters printed w/o gap & are clearly readable:- Last line must be above paper cutter)

3. KEY FUNCTIONS

(Confirm all keys function & keys functioning are smooth)

4. BUZZER

(Buzzer beeps when key is pressed)

5. PERISTALIC PUMP ASSEMBLY

(Confirm rotor rotates smoothly without jerk, and placement of peristaltic tubing Remains at the centre of the bush and should not be touching the end support or rotor base)

6. TEMPERATURE CHECK

Cuvette temperature physical: 37

Temperature Range: (A) 37° C ± 0.1° C

(B) 57.5 KΩ to 59.0 KΩ using temperature Jig)

Check temperature in RUN TEST mode for temperatures:

1. 37° C: _____ 2. 30° C: _____ 3. 25° C: _____

7. GAIN CHECK FOR ALL FILTERS

Filter	340	405	505	546	578	630	Range
Gains	56854	125000	107470	059138	107585	152558	30000-200000
Offset	0.485	0.482	0.1892	0.4596	0.1997	0.0479	0.0- 1.0

8. Checked Hardware test and found OK.

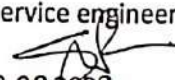





9. Checked Date & time and found OK.

10. Checked printer test and found OK.

TBM, Technical Services Department Customer Detail

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