ANALYZER CALIBRATION CERTIFICATE

CALIBRATION PROTOCOL :

The purpose of this calibration protocol is to define the qualifications and the acceptance standard in order to verify the normal operation and function of the Dirul CS- T180 auto chemistry analyzer in the laboratory. Trained knowledgeable personnel from Genworks Health Pvt Ltd along with the department personnel will perform and review analyzer calibration protocol as mentioned by the manufacturer. The satisfactorily outcome of this procedures assures that the system functions according to the parameters.

EQUIPMENT INFORMATION

Instrument Name : **DIRUI CS-T180 AUTO CHEMISTRY ANALYZER**

Model/Type : **CS T180**

Serial No : 200T180CS0035K

Installation Date : **09.04.2021**

Calibration Done On : **04.04.2024**

Next Calibration Due On : 05.04.2025

Laboratory/Hospital : **INTERNATIONAL DIAGNOSTIC & MEDICAL CENTRE**

42,Swarnamoyee road, Beharampore, Murshidabad, WB-742101

Supported By :

Genworks Health Pvt Ltd, 12 floor DN 62, DN Block, Sector V, Bidhannagar, Kolkata, West Bengal 700091

GENWORKS HEALTH PVT LTD

Gamma Block, 5th Floor, Sigma Tech Park, Whitefield Main Road, Varthur Hobli, Bangalore 560066, India
CIN :U24230KA2015PTC078753 | www.genworkshealth.com

This is to certify that this Analyzer has been inspected and calibrated for following parameters.
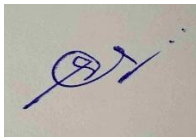
TEST PARAMETER	TARGET VALUE & RANGE	OBTAINED VALUE
INPUT VOLTAGE	230-240V AC	231V AC
LAMP INTENSITY CHECK	9000-18000 for all wavelengths	9500 to 11,500
CUVETTE CHECK	<+/- 1500 for all wavelengths.	within +/- 150
INCUBATOR TEMP	37 degree +/-0.3	37 degree
REAGENT COMPARTMENT COOLING CHECK	4 to 10 degrees centigrade	5.1 degree
DETECTOR PERFOMANCE CHECK	Voltage b/w 3.5 to 4.5V	3.7 to 4.2V
12V LAMP SUPPLY	12 +/-0.3V	12.10V
5V SUPPLY	5+/-0.3V	5.01V
24V SUPPLY	24 +/-0.3V	23.97V

The results are obtained as per specifications & tolerance ranges. Routine chemistry parameters precision study was carried out. The CV's obtained are in acceptable range (< 3.0% CV). Calibrations of routine tests were also done & the results of controls & samples found satisfactory.

Report Sign Off:

Calibration Done By: **Sourav Chanda**

Designation: Application Specialist-IVD

Date & Sign:

Note: Supportive data to be attached along with this certificate.

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