

CERTIFICATE OF CALIBRATION/ VERIFICATION

Customer Name : JIMS HOSPITAL
Instrument : Semi Automated Bio-Chemistry Analyzer.
Model : Chem5 Plus V2
Serial Number : EC5-N120810
Calibration Date : 12-01-2024.
Next Calibration due on before : 11-01-2025.

This is to certify that the above mentioned instrument has been verified of calibration according to the procedures provided by the manufacturer in the reference manual.

The reference instruments used for value assignment are managed by the traceability systems with the manufacturer and these are traceable to international standards.



Calibration/ Verification done by
NAGARAJU SAMBARAPU
Sr Application Specialist
Transasia Bio-Medicals Ltd.

Details Of Calibration/Verification

Model :- Chem 5+V2

Serial No :- EC5-N120810

General parameters:

Parameter	Measured Value	Acceptable Range	Result
Line voltage	230	230+/-5%	Pass
SMPS Voltage	18	17 to 19 volts	Pass
Lamp voltage	11.59	11.5 to 12	Pass
Flow cell temperature	37	37+/- 5%	Pass
Pump Calibration	11050	8000 to 12000	Pass

Photometer Filter gain levels:

Sl No	Filters in nm	Filters Gain in uv	Acceptable range of gain
1	340	017659	10000-200000 uv
2	405	025513	10000-200000 uv
3	450	044563	10000-200000 uv
4	505	073452	10000-200000 uv
5	546	037456	10000-200000 uv
6	600	048965	10000-200000 uv
7	630	032456	10000-200000 uv
8	670	037869	10000-200000 uv

Thermal Value

Sl no	Temperature(Celcius)	Time taken to attain	Acceptable time range
1	25to 30	24 sec	Up to 180 sec
2	30 to 37	40 sec	Up to 180 sec
3	37 to 30	60 sec	Up to 180 sec
4	30 to 25	37 sec	Up to 180 sec



For Transasia Biomedical Ltd
Nagaraju Sambarapu
Sr Application Specialist
Hyderabad.