



CERTIFICATE OF CALIBRATION/ VERIFICATION

Customer Name : UNANI HOSPITAL
Department : BIOCHEMISTRY
Model : Fully Automated Bio-chemistry Analyzer-EM 200
Serial Number : B140331
Calibration Date : 21.02.2023
Next Calibration due on or before : 20.02.2024
Calibrator Used: Multical Lot : 2206133A
Quality Control Used: ERBA NORM Lot:S062243 , ERBA PATH Lot: S062244

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.

General Parameters:

Parameter	Measured Value	Acceptable Range	
Line Voltage	229 V	230 V +/- 5%	Pass
Logic Voltage	5.0 V	4.9 V to 5.1 V	Pass
Lamp Voltage	12.01 V	11.8 V to 12.2 V	Pass
Flow cell Temperature	37.0 deg	37 +/- 0.5	Pass
45 Cuvette blank value for for all filter	Enclose valuesheet for all cuvette	Abs 0.02-0.2	Pass



Photometer Filter Gain Levels: Attached Instrument Print

s.no	Filter Value in nm	Filter Gain in mv	Acceptable Range of gain
1	340	468	200 mv to 800 mv
2	405	468	200 mv to 800 mv
3	505	487	200 mv to 800 mv
4	546	486	200 mv to 800 mv
5	578	471	200 mv to 800 mv
6	600	477	200 mv to 800 mv
7	660	447	200 mv to 800 mv
8	700	457	200 mv to 800 mv

Cellblanks Details for all Fiter:

s.no	Filter	Cell Blank range of 45 position Acceptable Range(0.03-0.2)	Pass/Fail
1	340	With in the range, Document Attached	Pass
2	405	With in the range, Document Attached	Pass
3	505	With in the range, Document Attached	Pass
4	546	With in the range, Document Attached	Pass
5	578	With in the range, Document Attached	Pass
6	600	With in the range, Document Attached	Pass
7	660	With in the range, Document Attached	Pass
8	700	With in the range, Document Attached	Pass


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