

Ref No: Avantor/Calibration /2211/01

Date: 01/11/2022

CALIBRATION CERTIFICATE

Customer Name	LAB XPERTS TECHNOLOGIES
Address	E-14, SHF-7, PATEL NAGAR II, GHAZIABAD (201001) UTTAR PRADESH

CALIBRATION Report for

Machine	FULLY AUTO CHEMISTRY ANALYZER
Model	BS 240 Pro
Serial Number	BC7-18001320

CALIBRATION Validity

Calibration performed date	01/11/2022
Calibration validity	Six Months
Next Calibration Due on	May-2023

CHECKS BEFORE CALIBRATION

PHYSICAL CHECKS:

Outer Casing/Chassis O.K. (No Damage)	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
CPU, Keyboard, Monitor O.K.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
UPS Power supply OK	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Water Unit OK	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>

Avantor Performance Materials India Ltd

Registered Office: 17th Floor, Building No 5, DLF Cyber City, Phase III, Gurugram -122002, Haryana, India
t +91-124-4656700, f +91-124-4656799, CIN : U24209HR199IPLC048501

ENGINEERING CHECKS:

Mechanical fittings O.K.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Screws tightening O.K.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Computer functioning normal	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
On/off switch working normally.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Instrument Switching On normally.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Software checks (All Programs working OK)	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
No abnormal and unusual sound coming.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Lamp switching on & off normal	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Reagent and sample Arm Action correct	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Input Voltage O.K.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Temperature O.K.	Yes: <input checked="" type="checkbox"/> / No: <input type="checkbox"/>
Any abnormal noise	Yes: <input checked="" type="checkbox"/> / No: <input checked="" type="checkbox"/>

CALIBRATION

Sample probe action and movement	CALIBRATED
Reagent probe action and movement	CALIBRATED
Cuvette wash probe action and up/down movement	CALIBRATED
Reaction Cuvette positioning and movement	CALIBRATED
Sample Tray Positioning action and movement	CALIBRATED
Reagent Tray Positioning action and movement	CALIBRATED
Optical Unit	CALIBRATED
Temperature- Heating and Cooling	CALIBRATED
Water Supply Module motor function	CALIBRATED
Wash Unit Motor function	CALIBRATED
Waste Unit Motor Function	CALIBRATED
Mixing Unit Motor function	CALIBRATED
ISE Unit	CALIBRATED

CALIBRATOR NAME	CALIBRATOR LOT	EXPIRY
Multi Sera Calibrator	150121013	31.03.2023

PERFORMANCE CHECKS AFTER CALIBRATION

Photometric Unit performance after calibration

Wavelength 340, 380, 412, 450, 505, 546, 570, 605, 660, 700, 740, 800

Segment wise performance after calibration:

	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Sample probe action and movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Reagent probe action and movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Cuvette wash probe action and up/down movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Reaction Cuvette positioning and movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Sample Tray Positioning action and movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Reagent Tray Positioning action and movement	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Optical Unit	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Temperature- Heating and Cooling	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Water Supply Module motor function	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Wash Unit Motor function	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Waste Unit Motor Function	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
Mixing Unit Motor function	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
ISE Unit	GOOD: <input checked="" type="checkbox"/> / POOR: <input type="checkbox"/>
<u>Overall performance</u>	Satisfactorily <input checked="" type="checkbox"/> Not satisfactorily <input type="checkbox"/>

Calibration performed by:

Sanjeev

Name: Sanjeev Kumar

(Sr. Customer Service Executive)

Date: 01/11/2022