

## CALIBRATION CERTIFICATE

Certificate No: 5010

Customer : AMERI DIAGNOSTICS,  
Bandlaguda,  
Hyderabad,  
Telangana.  
Instrument : Auto Hematology Analyzer  
Model : BC 20s

Date Calibrated : 02/12/2021.  
Working Temperature : 25 ± 1° C  
Due Date : 01/12/2022 :  
Serial No TK-86000385T

Manufacturers : SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD

Golden Harvest Industries is an organization dealing in MINDRAY Auto Hematology Analyzers. It has a Technically Qualified Technical Team to ensure trouble free operation. The Described instrument has been checked and calibrated under the ambient conditions stated above.

Power Supply			
UPS Supply	Expected reading	Measured reading	Remarks
Phase to Neutral	230 ± 10 VAC	230 VAC	Within Limits
Phase to Earth	230 ± 10 VAC	230 VAC	
Neutral to Earth	0 - 5 VAC	0 VAC	

Test point voltages	Range	Measured reading	Remarks
Power +12V	11.0 - 14.0	12.01 V	Values are within Limits
Power +24V	20.0 - 30.0	23.90 V	
Analog +12V	11.0 - 13.0	12.0 V	
Analog -12V	(-14.0) - (-9.0)	-11.9 V	
Digital +56V	47.0 - 63.0	55.8 V	

	Measured Value	Range	Remarks
HGB Blank (V)	4.42 V	3.85 - 4.85	Within Range
Vacuum	-28.0	(-29.9) - (-25.9)	
Diluent Temperature	29.5 °C	10 °C - 40 °C	
Preheater Temperature	32.1 °C	28.9 °C - 45.0 °C	

	Status	Remarks
Pressure	Normal	All parts are working well Adjustment not required
Vacuum	Normal	
Filter	Normal	
Syringe Motor Check	Normal	
Rotation Motor Check	Normal	
Elevator Motor Check	Normal	
Printer/Recorder Check	Normal	

	Status	Remarks
System Initialization	Okay	working well
Key Board check	Okay	
Display check	Okay	
Touch Screen	Okay	

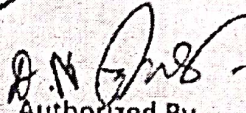
This Instrument parameters are calibrated as per the manufacturer recommended calibration procedure.  
The estimated uncertainty to be associated with the results is at a confidence level of approximately 99%.

**REMARKS/DEVIATIONS IF ANY:**

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the stability of the Instrument for its intended use.
3. The results stated in this certificate relate only to the instrument calibrated.



Calibrated By  
Neelakandan. NG  
Sr. Engineer - Technical Support

  
Authorized By  
Gangadharan DN  
Area Manager - TS