

# **CERTIFICATE OF CALIBRATION**

HOSPITAL NAME

: M/S. ALPHA LIFECARE, CUDDALORE

Equipment

: HEMATOLOGY ANALYSER

Certificate No

: AL/2021-22/HA/23

Location / Dept : BIOCHEMISTRY

Make

: Mindray

Serial No

: TK-69001460

Model No

: BC-20S

### Calibration standards used:

Test Equipment	Manufacturer	Model	Serial No.	Cal Date	Due Date
Digital Thermometer	HTC Insturments	DT 305	160909727	30/01/2021	30/01/2022
Electrical Safety Analyzer	FLUKE BIOMEDICAL	ESA 615	3982556	21/02/2021	21/02/2022

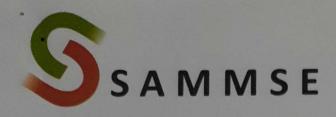
## **Electrical Safety Test**

Power Supply	Ac input - 100 - 230 V Ac; ± 15%; 50/60 Hz	PASSED	
Power consumption	< 100 Va	PASSED	
Environment	Operating temperature 0°c to 40°C; Relative Humidity: 15 to 85% RH	PASSED	The state of the s



# **HEMATOLOGY ANALYSER**

Parameter Tested	Measured in Test Gadget	As per manufacture specification  <0.200 ohm	
Voltage N-E	1.2		
Maximum current taken by the DUT	0.12A		
Protective earth restistance test	0.145		
Earth leakage current NC	67.5	<500A for B,BF,CF	
Earth leakage current SFC	136.8	<1000A for B,BF,CF	
Enclosure leakage current NC	0.6	<100A for B,BF,CF	
Enclosure leakage current SFC	0.8	<500A for B,BF,CF	
Patient leakage current NC	1.4		
Patient leakage current SFC	1.6	<500 A for B,BF,<50 A for CF	
Insulation resistance M-P-E	>100Mohm	More than 100 A ohm	
Insulation resistance M-A-P	>100Mohm	More than 100 A ohm	
Insulation resistance A-P-P.E	>100Mohm	More than 100 A ohm	



Equipment performance found to be within range

Calibration Date: 10.6.2021

Recommended Cal Due Date: 09.06.2022

The above mentioned instrument has been calibrated using standards manufacturer recommended protocols, using equipments having traceability to National/International Standards. Devices for which there are no National / International Standards calibration standards are measured against in-house performance standard using accepted test procedures.

Partial reproduction of the certificate is not permitted.

Results reported are valid at the time of

measurement.

### **SAFETY TEST**

Note: Electrical safety Test is done as per IEC standard 60601.

Unit Passed

Unit Failed

Remark (If any)

**Engineer Signature** 

**Authorized Signature**