

TULIP DIAGNOSTICS (P). LTD. (INSTRUMENT DIVISION)

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Ref SOP No: SOP/ID/013

CC No: CC21/ID/027

CALIBRATION CERTIFICATE

Model: Hemostar-XF 1.0
Serial Number: F2421S079

Calibration Date: 07-07-2023

Calibration Due Date: 06-07-2024

- SCOPE: Calibration of Hemostar-Xf 2.0
- ITEM DETAILS: Nomenclature Coagulometer
TYPE/MODEL: Hemostar Xf 2.0
- DETAILS OF TEST EQUIPMENTS USED:
 - Digital Thermometer
 - Chronometer
- MEASUREMENTS & CHECKS CARRIED OUT UNDER STANDARD LABORATORY CONDITIONS.
AMBIENT TEMPERATURE: 25.0 °C - 30.0 °C RH %: 55.0
- TEST RANGE & ACCURACY:
 - Incubator Block Temperature: ± 1 °C of 37 °C
 - Chronometer Check:
 - Measuring range:- 0 to 600 sec

- Machine Chronometer readings
- External Chronometer readings

OBSERVATIONS:

MODULE	READINGS						RANGE	ERROR OBSERVED	RESULT
	1	2	3	4	5	6			
TEMP in Deg C	36.9	37.1	36.9	37	37	37	± 1 °C	± 1 °C	PASS
Target in sec	10.1	30	50	100	300	600			
Instrument chronometer reading in channel 1 in sec	10.2	30.1	50.1	100.1	300.2	600.3			PASS
External chronometer reading in sec	10	30.2	50.4	100.5	300.4	599.1	± 5 %	± 5 %	
Instrument chronometer reading in channel 2 in sec	10	30.2	50.1	100.3	300.6	600			
External chronometer reading in sec	10.2	30	50.2	100.5	300.6	599.8			

6. CONCLUSION & REMARKS:

A. The standards used for calibration were calibrated against reference standards traceable to national standards. Reference standards traceability details are as given below:

SR.No	DESCRIPTION	SLNO/MODEL	TRACEABILITY
1	Digital Multi meter	MBIDC15293/MASTECH-MS8264	TDPL/ID/DM003/180123-230118/01
2	Digital Stopwatch	901194005647/NIVIA	TDPL/ID/DS014/190123-230118/03
3	Glass Thermometer	S20106/JRM	TULIP-ID/GOA/04/23/GT03

B. Calibration of instruments valid only if it is used in accordance with the instructions, preservation of the instruments is such that accuracy and witness for use maintained.

C. Calibration of instruments is valid only if used under specified environmental conditions.

D. Calibration of instruments is valid only if the safety instructions provided during servicing and maintenance are followed.

Koranthi
CALIBARTED BY:



Maiti
APPROVED BY: