

ULR - CC288123000017089F

Calibration Certificate

CC - 2881

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
21.12.2023	20.12.2024 (Recommended By Customer)	23.12.2023	QATM - 23121474

Customer Name and Address	M/s Lupin Dignostics, Lupin Dignostics Ltd. HLM Latur Fertility, Barmade Hospital, Opp-DattaMandir, Ausa Road, Latur 413531		
Calibration Request Reference	Verbal Request	SRF No.: SRF - 23120114	
Test Equipment Specifications			
Location	HLM Latur	Department	Lab
Equipment Name	Centrifuge	Range	0 to 5250 rpm, 0 to 99 min
Make	Remi	Operating Range	--
Model	R 8C	Resolution	1 rpm, 1 min
Serial No.	ZHKN-42334	Accuracy	± 2 % F.S., ± 30 sec
ID No.	LDL/HLM/LAB/CEN/1	Calibration Procedure No.	QATM-WI-ET- 095, 105
Date of Equipment Receipt	21.12.2023	Condition on receipt	Good
Environmental Conditions:	Temperature: 25 ± 4 °C	Relative Humidity: 30 to 70 % RH	Atmospheric Pressure: NA

REFERENCE STANDARD USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)

Name of Equipment	Make	Model	ID No.	Due Date	Certificate No.
Digital Tachometer	Monarch	PT-99	QATM/CAL/ML-64	12.07.2024	QATM - 23070543
Digital Stopwatch	Casio	HS-80TW-1DF	QA/MUM/CAL/DSW-22	29.06.2024	QATM - 23061376

Mechanical Calibration

OBSERVATION

PARAMETER : Speed

Range	Reading on UUC	Reading On Standard	Deviation	Expanded Uncertainty (±)
rpm	knob	rpm	rpm	rpm
0 to 5250	1	1000.3	--	8.3
	2	1215.4	--	8.3
	3	2011.2	--	8.3
	4	3016.7	--	8.3
	5	4530.4	--	8.3

Electrotechnical Calibration

PARAMETER : Period

Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty
	min	Hrs:min:sec:1/1000	Hrs:min:sec:1/1000	± sec
05 min	05	00:05:00:116	-00:00:00:116	0.8
10 min	10	00:10:00:119	-00:00:00:119	
15 min	15	00:15:00:122	-00:00:00:122	

REMARKS:

- UUC : Unit Under Calibration.
- The Above UUC was calibrated at site.
- Standard reading is average of five readings.
- UUC & Standard reading are average of three readings.
- This Calibration certificate refers only to the particular item submitted for calibration.
- This certificate shall not be produced, except in full without the prior permission from the QA TECH Head.
- The calibration results reported in this certificate are valid at the time of and under the stated conditions of measurement.
- The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.

Calibrated by  Calibration Engineer (Atul Bhundere)	 BHIWANDI 421 302	Authorised Signatory  Technical Manager (Rakesh Bhalerao)	
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