



ULR - CC288123000009255F

Calibration Certificate

CC - 2881

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
31.07.2023	30.07.2024 (Recommended By Customer)	03.08.2023	QATM - 23071067

Customer Name and Address	M/s Lupin Dignostics Ltd. HLM Jalna, D7 and D8, Mahalakaxmi Nagar, Mantha chaufully Jalna-431203		
Calibration Request Reference	Verbal Request	SRF No.: SRF - 23070127	
Test Equipment Specifications			
Location	Jalna	Department	Lab
Equipment Name	Centrifuge	Range	0 to 5250 rpm, 0 to 99 min
Make	Remi	Operating Range	--
Model	R-8C	Resolution	10 rpm, 1 min
Serial No.	ZIIN-37379	Accuracy	± 1 % F.S., ± 30 sec
ID No.	LDL/HLM/LAB/CEN/1	Calibration Procedure No.	QATM-WI-ET-09S,10S
Date of Equipment Receipt	31.07.2023	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	PLT 200	QA/MUM/CAL/PLT-28	17.01.2024	QATM-23010521
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	rpm	rpm	rpm	rpm
0 to 5250	500	500.31	-0.31	2.5
	1000	1000.7	-0.7	2.5
	2000	2001.4	-1.4	2.5
	3000	3001.9	-1.9	2.5
	4000	4003.5	-3.5	2.5

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	0:05:00:143	00:00:00:143	0.7
15 min	15	0:15:00:184	00:00:00:184	
30 min	30	0:30:00:227	00:00:00:227	

REMARKS:

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

Calibrated by  Calibration Engineer (Samir More)		Authorised Signatory  Technical Manager (Rakesh Bhalerao)	
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QATM/FT-03/7.8

*****End of Calibration Certificate*****

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GMP Technical Solutions Private Limited

Registered Office: 3rd Floor, Swastik Disa Business Park, LBS Marg,
Behind Wadhani Indl Estate, Ghatkopar West, Mumbai-400086

Corporate Identity Number (CIN): U74999MH2003PTC142312 | Tel : +91 22 49716529

Email : enquiry@gmptech.net
Website : www.gmptech.net