



SRI, Limited Prabhat Sandhya Appt, Gr Floor, Mouza- Marigala, Ward No 13, Dankuni District Hoosbly, West Hengal, Pin code-712311

	CENTRIFI	GE CALIBRATION REP	OORT	
Asset Details - General		OL CALIDACTION REI		of all the property of
DEPARTMENT	INSTRUMENT NAM	IE INSTRUMENT ID	MODEL NO	REPORT NO
Clinical Pathology	Centrifuae	CLIEDO	RAC	CALCEGI Jan-22
Cal Done Date		3 2 2 Cal Due Date	12207	2022
Ownership	SRL N	LOAN	RR	
Acceptable rpm/time limit	± 5 %	Operating, Range	From Loco To	4000 rpm
TEST VALUE TABLE FOR	SPEED CALIBRATI	ON		
Sr. Set Value (7.	Om Measured Value	50	Error	Exp. Uncert.
	Avg. of 5 readin	(1)	1	
2 2000	1998.4	0.055	-1.96	3.0
7000	399 9	0.55	1-2.16	5,8
TEST VALUE TABLE FOR	TIMER CALIBRATI			
			The season	
Sr. No. Set Value Sec	(Avg. of 5 readin		Error	Exp. Uncert.
1 60	59.86	0.055	-0.37	0.087
3 600	299.86	0.055	-0.52	0.191
	1 299.86	0.055	-0.73	0.355
TEST VALUE TABLE FOR		1171	LICABLE	CARBINATE A
Sr. No. Set Value "c	Measured Value (Avg. of 5 readin	SD SD	Error	Exp. Uncert.
The reported expanded uncertain	dnity is based on a standard	uncertainty multiplied by a coverage fa	ctor k=2, providing the	level of confidence of
Calibration status	Passed	ampross, 95%	le a	
			Faik	20 6.3
CALIBRATION STANDAR		The state of the s		
TEST EQUIPMENT NAME TACHOMETER		Test equipment ID	MTLISRLL ROUGH-22	
		ENGIDTM-01 ENGISW/01		
THERMOMETER		T100 12 M/01	MTL/SRL1	- NOB DI-XX
	nt has been calibrated using	standards with accuracy guidelines trac	ceable to the National I	institute of Standards &
1.		Technology (NIST).		
Engineer's Name	hokan M	anda Report Reviewed !	py	
Signature/Date	THE .	914122 Signature Date		
SECTION HEAD SIGN:	b			

Doc No.: ENG QC02 (292)	Centrifuge Calibration	Page 1 of 1			
Issue No.: 01	Issue Date: 01.09,2020	Amend No.: 00	Amend Date: 00		
Issued By: Mr. Surendra Ku	mar Gupta (DGM-QA)			ANDER	

MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B.

Phone: 033 - 2215 - 0032, 2215 - 9687, 8100875519,

Mobile: 9831190974, LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in

CALIBRATION CERTIFICATE OF DIGITAL TACHOMETER

Form No. - MTL/22/2006



ULR - CC254522000000786F

Page: 1 of 1

CALIBRATION CERTIFICATE NO.:MTL / SRLL / R04 / 01 - 22 1.0 Service Request No.:

MTL/10G/01/21-22

1.1 Issued to:

M/s. SRL Limited,

P.S. Srijan Tech Park, Ground Floor,

DN - 52, Sector V, Salt Lake, Kolkata - 700091, W.B.

1.2 Description &

a) Name:

Digital Tachometer

b) Code No.:

ENG / DTM - 01

Identification of item

c) Sl. No.:

AB.16577

d) Make: f) Range: Lutron

to be Calibrated:

e) Model / Type:

DT - 2236

h) Resolution:

5 rpm to 99999 rpm 0.1 rpm upto 999.9 rpm then 1 rpm

g) Sensor: i) End User: N.A. Engineering Department j) Accuracy:

k) Calibration done at:

On Site / √ In House

OK

1.3 Date of receipt of item:

08-01-22

1.4 Physical Condition of DUC:

1.6 Recommended date of next calibration :

1.5 Date of calibration:

10-01-22

20 °C ± 2 °C

1.7 Date of Issue: 1.8 Environmental Conditions During Calibration:

12-01-22

Temperature: **Humidity**:

50 % RH ± 10 % RH

1.9 Method of Calibration:

SOP / RPM / 01

2.0 Traceability:

a)Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.

i) Digital Tachometer Cal. Certificate No. JRPM - CCTR - A&S - 2021 - 0020

(JRPM, Chennai)

(Cal. Date: 10/07/21, Due Date: 09/07/22)

2.1 Result:

Mechanical Calibration

Sl. No.	Parameter/ Range	Nominal Value on DUC rpm	Std. Value Average of Five Readings rpm	Error rpm	Measurement Expanded Uncertainty ± rpm
1. 2. 3. 4. 5. 6. 7.	Rotation 5 rpm to 99999 rpm	99.8 500.0 999.2 4999 9995 19995	99.997 499.94 1000.7 4999.5 9990.2 19996 29996	-0.197 0.06 -1.5 -0.5 4.8 -1 -1	0.28 upto 100 rpm then 1.28 upto 10000 rpm then 14 upto 30000 rpm then 10.43
8.		59992 89919	59986 89911	6 8	

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level. ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.

iii) Error = DUC Reading - Standard Reading.

DUC - Device Under Calibration

N.S. - Not Specified

N.A. - Not Applicable

Std. - Standard

rpm - Rotation Per Minute

Opinions and Interpretations Accepted / Valid for use Calibrated Rejected / Out of use Limited Use

