



## CALIBRATION CERTIFICATE

### 1. CUSTOMER

SDC DIAGNOSTICS CENTRE LLP  
SHIRWAL

Page No. :- 1 of 1  
Certificate No. :- GTS/220210/01- 010  
Date of Received :- 10.02.2022  
Date of Calibration :- 10.02.2022  
Next Calibration Due On :- 09.02.2023  
Issue Date :- 15.02.2022  
Calibration method No. :- MECH-WI-07  
ULR No :- CC295722000000703F

Ambient Temp. (°C) :- 28.5  
Relative Humidity (%RH) :- 51  
Location of calibration :- On Site  
Condition of Item :- Ok

### 2. Description of Item

Name :- CENTRIFUGE Range :- 0 to 3500 RPM  
Id No :- CEN 1 Least Count :- - RPM  
Make :- REMI R303 Location :- Lab  
Type :- KNOB  
Sr No :- -  
Dept :- Pathology

### 3. Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Tachometer	NI/2106/002/003	Nishitronics Instrumentation	GTS/TM/01	31.05.2022

### \*Mechanical Calibration

### 4. Calibration Results

Sr No	Standard Reading RPM	Knob No on UUC	Expanded Uncertainty in $\pm$ %
1	864.2	1	4.20
2	1459	2	1.20
3	2414	3	1.20
4	2784	4	1.20
5	3441	5	1.20

### Note:

- 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$ , which corresponds to a coverage probability of approximately 95.45% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".

Calibrated By

*Rohit*

Calibration Engineer  
Rohit.L



Approved By

*Swapnil*

Technical Manager  
Swapnil Bhagwat

RF-55/01

End of Certificate



# GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

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Mob : 9921239827 / 7276302207/ 9028888728



CC-2957

## CALIBRATION CERTIFICATE

### 1.CUSTOMER

SDC DIAGNOSTICS CENTRE LLP  
SHIRWAL

Ambient Temp. (°C) :- 29.8  
Relative Humidity (%RH) :- 48  
Location of calibration :- On Site  
Condition of Item :- Ok

Page No. :- 1 of 1  
Certificate No. :- GTS/220210/01- 011  
Date of Received :- 10.02.2022  
Date of Calibration :- 10.02.2022  
Next Calibration Due On :- 09.02.2023  
Issue Date :- 15.02.2022  
Calibration method No. :- MECH-WI-07  
ULR No :- CC295722000000704F

### 2. Description of Item

Name :- CENTRIFUGE  
Id No :- CEN 2  
Make :- REMI R303  
Type :- KNOB  
Range :- 0 to 3500 RPM  
Least Count :- - RPM  
Location :- Lab  
Sr No :- BDLC 1591  
Dept :- Pathology

### 3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Tachometer	NI/2106/002/003	Nishitronics Instrumentation	GTS/TM/01	31.05.2022

### \*Mechanical Calibration

### 4.Calibration Results

Sr No	Standard Reading RPM	Knob No on UUC	Expanded Uncertainty in $\pm$ %
1	849.4	1	4.20
2	1462	2	1.20
3	2373	3	1.20
4	2825	4	1.20
5	3413	5	1.20

### Note:

- 1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$ , which corresponds to a coverage probability of approximately 95.45% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
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Calibrated By

Rohit

Calibration Engineer

Rohit.L

RF-55/01



Approved By

Sw

Technical Manager

Swapnil Bhagwat

End of Certificate





**Nishitronics  
Instrumentation**

► Service Engineers  
► Calibration Engineers  
We work for Customer Satisfaction

GC-2294

**CALIBRATION CERTIFICATE**

<b>CUSTOMER</b>	Global Technical Services Sec No-25, Plot No-49/3 HG Colony Pradhikaran Nighd Pune-411044	Page No UIR No Discipline Certificate No Date of issue Date of receipt Date of calibration Cal Req No Next Due Date Parameter Calibration method no	1 of 1 UIR CC2294210000020436 Mechanical Calibration NI/2106/002/003 02/06/2021 01/06/2021 01/06/2021 NI/2106/002/003 31/05/2022 RPM NI / CP / M / 05
Amb Temp	25 ± 2 °C	Date of issue	02/06/2021
Rh	45 to 75%	Date of receipt	01/06/2021
Location of calibration	LAB	Date of calibration	01/06/2021
Characteristic and	OK	Cal Req No	NI/2106/002/003
Condition of items		Next Due Date	31/05/2022
		Parameter	RPM
		Calibration method no	NI / CP / M / 05

**Details of Items**

Name	Digital Tachometer	Model	TM-4005
Location	-	Range	2.5 To 99999 rpm(non contact)
Make	Metrix		2.5 to 19999 rpm(Contact)
ID No	GTS/TM/01	LC	0.1 rpm & 1 rpm
Sr No	N783275	Accuracy	Not specified

**Details of Equipment used for Calibration**

Name	DIG TACHOMETER
Calibrated by	INSTOTECH
Certificate No	2020/0133
Validity	01/06/2021

**OBSERVATION**

**NON-Contact Type**

Cal Point rpm	Std Reading rpm	UUC Reading rpm	Error rpm	Expanded Uncertainty
100	100.2	100.9	0.700	± 3.0 rpm
5000	5002	5001	-1.000	± 5.0 rpm
10000	10117	10112	-5.000	± 10.0 rpm
20000	20552	20545	-7.000	± 15.0 rpm
40000	42346	42344	-2.000	± 20.0 rpm
90000	90311	90323	12.000	± 25.0 rpm

**Contact Type**

Cal Point rpm	Std Reading rpm	UUC Reading rpm	Error rpm	Expanded Uncertainty
100	101.0	100.4	-0.600	± 3.0 rpm
1000	1001	1000	-1.000	± 5.0 rpm
2500	2502	2499	-3.000	± 5.0 rpm
3000	3003	3000	-3.000	± 5.0 rpm
5000	4999	4996	-3.000	± 7.0 rpm

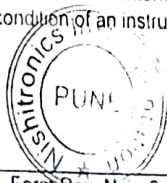
The reported measurement uncertainty is estimated at a level of confidence of approximately 95 %

**Remarks :-**

- 1) Result are related only to the item calibrated
- 2) This certificate refers only to the particular items submitted for calibration
- 3) This certificate shall not be reproduced except in full without our prior permission in writing
- 4) The calibration results reported in this particular certificate are valid at the time of an under stated condition of measurement
- 5) Standard used for calibration were traceable to National / International standard
- 6) Readings given above are as on received condition of an instrument

Calibrated by

*(Signature)*  
(V D Mulik)  
(Technical Assistant)



Authorized Signatory

*(Signature)*  
(V/B Hingmire) / (S B Hingmire)  
(Technical Manager)

Form No NI/F/7 8/ET/01  
Issue No 03

Form Rev-No 0

Effective Form Date 20/11/2019  
Issue Date 20/11/2019