



CALIBRATION CERTIFICATE

1.CUSTOMER :-
SHREE DIAGNOSTIC CENTRE
 Shree Hospital, Murbad Road, KALYAN

Ambient Temp. (°C) :- 21 TO 40
 Relative Humidity (%RH) :- 30 TO 75
 Location of calibration :- On Site
 Condition of Item :- Ok

Page No. :- 1 of 1
 SRF No. :- GTS/220804/01
 Certificate No. :- GTS/220804/01- 006
 Date of Received :- 04.08.2022
 Date of Calibration :- 04.08.2022
 Next Calibration Due On :- 03.02.2023
 Issue Date :- 12.08.2022
 Calibration method No. :- MECH-WI-07
 ULR No :- CC295722000008050F

2. Description of Item

Name :- Centrifuge
 Id No :- SDC/CEN/01
 Make :- Remi R 303
 Type :- Knob

Range :- 0 to 3500 RPM
 Least Count :- 500 RPM
 Location :- Lab

Sr No :- ZDLN 29680
 Dept. :- Pathology

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Tachometer	NI/2205/059/003	Nishitronics Instrumentation	GTS/TM/01	22.05.2023

* Discipline-Mechanical

4.Calibration Results :-

Sr No	Standard Reading RPM	Knob No on UUC	Expanded Uncertainty in ± %
1	855.6	1	4.20
2	1459	2	1.20
3	2404	3	1.20
4	2812	4	1.20
5	3432	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".
- 6)The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By

Rohit

Calibration Engineer

Rohit L



Approved By

Swapnil

Technical Manager

Swapnil Bhagwat

RF-55/01

End of Certificate



CALIBRATION CERTIFICATE

1. CUSTOMER :-

SHREE DIAGNOSTIC CENTRE
Shree Hospital, Murbad Road, KALYAN

Ambient Temp. (°C) :- 21 to 40
Relative Humidity (%RH) :- 30 to 75
Location of calibration :- On Site
Condition of Item :- Ok

Page No. :- 1 of 1
SRF NO. :- GTS/220804/01
Certificate No. :- GTS/220804/01-007
Date of Received :- 04.08.2022
Date of Calibration :- 04.08.2022
Next Calibration Due On :- 03.02.2023
Issue Date :- 12.08.2022
Calibration method No. :- MECH-WI-07
ULR No :- CC295722000008045F

2. Description of Item

Name :- Centrifuge Range :- 100 to 6500 RPM
Id No :- SDC/CEN/02 Least Count :- 100 RPM
Make :- Neuation D06 Location :- Lab
Type :- Digital Sr No :- QK052008
Dept. :- Pathology

3. Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibrat Valid
Digital Tachometer	NI/2205/059/003	Nishitronics Instrumentation	GTS/TM/01	22.05.20

*Mechanical Calibration

4. Calibration Results :-

Calibration Points RPM	Standard Reading RPM	UUC Reading RPM	Error in RPM	Expand Uncertainty
1500	1497	1500	3	1.2%
2000	1996	2000	4	1.2%
2500	2494	2500	6	1.2%
3000	2998	3000	2	1.2%
3500	3495	3500	5	1.2%

Note:

- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor $k=2$, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement
- Calibration point were selected as per customer specifications.
- 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".
- The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By

Abhit

Calibration Engineer

Abhit Leonard



Approved By

Swapnil

Technical Manager

Swapnil Bhagwat



CC-2294

Nishitronics

CALIBRATION CERTIFICATE

CUSTOMER :- Global Technical Services
 Sec. No-25, Plot No-49.3
 LIG Colony Pradhikaran Nigdi
 Pune-411014

Page No. :- 1 of 1
ULR No. :- ULR-CC2294220000023734
Discipline :- Mechanical Calibration
Certificate No :- NI/2205/059/003
Date of issue :- 24/05/2022
Date of receipt :- 23/05/2022
Date of calibration :- 23/05/2022
Cal. Req. No :- NI/2205/059/003
Next Due Date :- 22/05/2023
Parameter :- RPM
Calibration method no :- NI / CP / M / 05

Amb. Temp :- 25 ± 2 °C
Rh :- 45 to 75%
Location of calibration :- LAB
Characteristic and :- OK
Condition of items

Details of Items

Name :- Digital Tachometer
Location :- --
Make :- Metrix
ID No. :- GTS/TM.01
Sr No. :- N785275

Model :- TM-1005
Range :- 2.5 To99999 rpm(non-contct)
L.C. :- 0.1 rpm & 1 rpm
Accuracy :- Not specified

Details of Equipment used for Calibration

Name :- DIGI TACHOMETER
Calibrated by :- INSTOTECH
Certificate No. :- 2021/0200
Validity :- 01/06/2022

OBSERVATION

NON-Contact Type

Cal. Point rpm	Std. Reading rpm	UUC Reading rpm	Error rpm	Expanded Uncertainty
100	100.1	100.6	0.500	± 3.0 rpm.
5000	5001	5002	1.000	± 5.0 rpm.
10000	10115	10109	-6.000	± 10.0 rpm.
20000	20548	20538	-10.000	± 15.0 rpm.
40000	42350	42342	-8.000	± 20.0 rpm.
90000	90326	90318	-8.000	± 25.0 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

(R.B.Desai)
 (Technical Assistant)

Authorized Signatory

(V.B.Hingmire) / (S.B.Hingmire)
 (Technical Manager)

Form No. : NI/F/7.8/ET/01

Form Rev. No. : 0

Effective Form Date:20/11/2019

Issue Date :20/11/2019

Issue No : 03