



GLOBAL TECHNICAL SERVICES

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

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CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER	:-	Page No.	:- 1 of 1
ICTC 1 CENTRE		SRF No	:- GTS/220927/05
North Goa District Hospital, MAPUSA, GOA		Certificate No.	:- GTS/220927/05-001
		Date of Received	:- 27.09.2022
		Date of Calibration	:- 27.09.2022
		Next Calibration Due On	:- 26.09.2023
		Issue Date	:- 04.10.2022
Ambient Temp. (°C)	:- 21 to 40	Calibration method No.	:- MECH-WI-07
Relative Humidity (%RH)	:- 30 to 75	ULR No	:- CC295722000010168F
Location of calibration	:- On Site		
Condition of Item	:- Ok		

2. Description of Item

Name	:- Centrifuge	Range	:- 0 to 3500 RPM
Id No	:- DHS/MSD/PATH/B2	Least Count	:- --
Make	:- Remi R303	Location	:- ICTC 1 LAB
Type	:- Knob	Sr No	:- FHLC 10191
		Dept.	:- GSACS

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 \pm %
1	863.7	1	4.20
2	1464	2	1.20
3	2388	3	1.20
4	2797	4	1.20
5	3456	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

RF-55/01



Approved By

Sw

Technical Manager

Swapnil Bhagwat

End of Certificate



CC-2294

Nishitronics
Instrumentation

CALIBRATION CERTIFICATE

CUSTOMER :-	Global Technical Services Sec. No-25, Plot No-49/3 LIG Colony Pradhikaran Nigdi Pune-411044	Page No. :-	1 of 1
Amb. Temp :-	25 ± 2 °C	ULR No. :-	ULR-CC229422000002373F
Rh. :-	45 to 75%	Discipline :-	Mechanical Calibration
Location of calibration :-	LAB	Certificate No :-	NI/2205/059/003
Characteristic and :-	OK	Date of issue :-	24/05/2022
Condition of items		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

Details of Items

Name :-	Digital Tachometer	Model :-	TM-1005
Location :-	--	Range :-	2.5 To 99999 rpm(non-contact)
Make :-	Metrix	L.C. :-	0.1 rpm & 1 rpm
ID No. :-	GTS/TM-01	Accuracy :-	Not specified
Sr No. :-	N785275		

Details of Equipment used for Calibration

Name :-	DIG.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


(P. B. Desai)
(Technical Assistant)

Authorized Signatory


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

Form No : NIIF/7.8/ET/01

Form Rev. No. : 0

Effective Form Date : 20/11/2019

Issue No : 03

Issue Date : 20/11/2019