



Indian Calibration Services



An Exclusive House for Validation & Calibration of Analytical Instruments
 304 & 313, Laxmi Deep, District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi-110092
 Phone / Fax : (011) 22453259, 22434362, 9599482307
 E-mail : indiancalibrationservices@gmail.com Website : www.multitechics.com

CALIBRATION CERTIFICATE

Page 1 of 1

CALIBRATION CERTIFICATE OF LABORATORY CENTRIFUGE

Certificate No.	23900009264	Issued On	27/11/2023
ULR No.	CC214623900009264F	Calibration Date	25/11/2023
Job Identification No.	ICS/C/AS/11/9264	Next Calibration Date:	24/11/2024
Ref. No.	SRF, Dated - 22/11/2023		

CALIBRATED FOR: M/s Alaknanda Diagnostic Lab.
 H-1, Vikramaditya Tower,
 Alaknanda Shopping Complex, New Delhi-110019.

EQUIPMENT DESCRIPTION

Name	RPM Measurement for Laboratory Centrifuge, With Speed Controlling Knob		
Make/Model	Remi / C-854/8	Visual Inspection	Ok
Serial No.	ZEIN-30571	I.D. No.	CEN-01
Range	Up to 3500 RPM	Least Count	---
Location	---	Calibration Site	On-Site

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 2.0 °C	Humidity	45 to 75 % RH
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STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name of the Standard	Make	Certificate No.	Calibration Agency	Date of Calibration	Valid up to
Digital Tachometer	LINE SEIKI	FCRI/NVL-C/0173/23/033	FCRI, Palakkad	08/05/2023	07/05/2025

USED EQUIPMENT DETAILS: Not Applicable

PRINCIPLE/METHODOLOGY OF CALIBRATION: As per Calibration Procedure No.: ICS/CAL/SOP-RPM01 (Measurement Method)

RESULTS: Mechanical Calibration (Acceleration & Speed)
MEASUREMENT: (in RPM)

CENTRIFUGE' KNOB POSITION	CORRECTED VALUE OF TACHOMETER READING (AVG.)	Uncertainty at approx 95% C.L and coverage factor k=2
Position # 1	1519.1	± 4
Position # 2	1723.8	± 5
Position # 3	2245.7	± 5
Position # 4	2797.9	± 5
Position # 5	3481.4	± 6

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

END OF REPORT

- Note : 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing.
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 6. The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of
Indian Calibration Services

Checked by

Authorised Signatory
RAJESH KAPOOR
Operation-Head



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CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR

Certificate No:	23100025276	Issued On:	27/11/2023
ULR No:	CC214623100025276F	Calibration Date:	24/11/2023
Job Identification No:	ICS/C/T/11/25276	Next Calibration Date:	23/11/2024
Ref. No:	SRF, Dated - 22/11/2023	Receipt Date:	23/11/2023

CALIBRATED FOR: M/s Alaknanda Diagnostic Lab.
 H-1, Vikramaditya Tower,
 Alaknanda Shopping Complex, New Delhi-110019.

EQUIPMENT DESCRIPTION

Name	Digital Temperature Indicator with Sensor		
Make/ Model	---	Visual Inspection	Ok
Serial No.	---	I.D. No.	DTI-01
Range	Up to 60°C	Least Count	0.1°C
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0 °C	Humidity	50 ± 10 % RH
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STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator (S-1)	Yudian	TL/023/317.1.1	Tempsens, Udaipur	11-03-2023	10-03-2024

USED EQUIPMENT DETAILS	Water Bath and Dry Block Calibrator
PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS-/CAL/SOP-TH02, ITS-90 (Comparison Method)

RESULTS: Thermal Calibration (Temperature)

On Working Range:	U.U.C. READING (In °C)	CORRECTED VALUE OF STANDARD (in °C) (Avg.)	Uncertainty at approx 95% C.L and coverage factor k=2 (in °C)
	10.0	10.051	± 0.11
	20.0	20.084	± 0.11
	30.0	30.122	± 0.11
	40.0	40.199	± 0.11
	60.0	60.337	± 0.25

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.
 *** END OF REPORT ***

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For and on behalf of
 Indian Calibration Services

Checked by

Authorised Signatory
 RAJESH KAPOOR
 Operation-Head



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CALIBRATION CERTIFICATE

Page 1 of 1

CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	23700017092	Issued On:	27/11/2023
ULR No:	CC214623700017092F	Calibration Date:	24/11/2023
Job Identification No:	ICS/C/MVD/11/17092	Next Calibration Date:	23/11/2024
Ref. No:	SRF, Dated - 22/11/2023	Receipt Date:	23/11/2023

CALIBRATED FOR:	M/s Alaknanda Diagnostic Lab. H-1, Vikramaditya Tower, Alaknanda Shopping Complex, New Delhi-110019.
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EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	---	Visual Inspection	Ok
Serial No.	9091681	I.D. No.	MP-01
Range	20 µl - 200 µl	Least Count	1 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Digital Weighing Balance	AND	23700000002	Indian Calibration Services, Delhi	03/01/2023	03/01/2024

USED EQUIPMENT DETAILS	N/A
PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration (Volume)
 Below Volume is determined at 27°C

U.U.C. Reading (in ml)	Standard Measured Volume (in ml) (Average)	Uncertainty at approx 95% C.L and coverage factor k=2
0.020 (020 µl)	0.01985 (0019.85 µl)	± 0.83 µl
0.100 (100 µl)	0.09972 (0099.72 µl)	± 0.83 µl
0.200 (200 µl)	0.19957 (0199.57 µl)	± 0.83 µl

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

END OF REPORT

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For and on behalf of
Indian Calibration Services

Checked by

Authorised Signatory

 Operation-Head



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CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE OF DIGITAL WEIGHING BALANCE

Certificate No:	23700000002	Issued On:	04/01/2023
ULR No:	CC214623700000002F	Calibration Date:	03/01/2023
Job Identification No:	ICS/C/MVD/01/002	Next Calibration Date:	03/01/2024
Ref. No:	SRF, Dated - 02/01/2023		

CALIBRATED FOR:	M/s Indian Calibration Services, 304 & 313, Laxmi Deep District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi - 110092
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EQUIPMENT DESCRIPTION

Name	Digital Weighing Balance		
Make/Model	AND/ BM-252	Visual Inspection	Ok
Serial No.	T1002614	I.D. No.	ICS/MVD/INS/02
Range	Up to 250 g	Least Count	0.00001 g
Location	—	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS	Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD REFERENCE DETAILS

Traceable to National / International Standard

Name of the Standard	Make/Model	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
Weights	Weightronics	SCW-1222-405	Maruti, Ahmedabad	31/12/2022	30/12/2025

USED EQUIPMENT DETAILS	N.A.
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METHODOLOGY OF CALIBRATION	As per Calibration Procedure No.: ICS/CAL/SOP-M02
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RESULTS: Mechanical Calibration (Mass)

1. Linearity Test

Sr No.	Nominal Mass Value	Mass Value Of Standard (g)	Balance Reading (g) (Avg.)
1.	0	0	0.00000
2.	1 mg	0.0009993	0.00100
3.	10 mg	0.0099994	0.01000
4.	50 mg	0.0499983	0.05000
5.	100 mg	0.1000009	0.10000
6.	500 mg	0.4999970	0.50000
7.	10 g	10.000011	10.00001
8.	50 g	50.000008	50.00001
9.	100 g	100.000014	100.00002
10.	200 g	200.00001	200.00002
11.	250 g	250.000018	250.00003

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For and on behalf of
Indian Calibration Services

Satish
Checked by

Hitesh Kapoor
Authorized Signatory
Operation-Head



TEMPSENS CALIBRATION CENTRE

A Division of TempSENS Instruments (I) Pvt. Ltd.

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E-mail : lab@tempsens.com, Website : www.tempsens.com

TEMPSENS

Calibration Certificate No.: TL/Q23/317.1.1
ULR No.: CC284023Q00001870F

Page : 01 OF 01

Discipline : Thermal

M/S INDIAN CALIBRATION SERVICES 304 & 313, LAXMI DEEP, DISTRICT CENTRE, NEAR NIRMAN VIHAR METRO STATION LAXMI NAGAR - 110092, DELHI INDIA	J.O.NO. : T/222/2/2113025257 Received Date : 10/03/2023 Calibration Date : 11/03/2023 Next Cali. Due On : 10/03/2024 Issue Date : 12/03/2023
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Sample Description :

Calibration Required At : -90, -80, -40, -20, 0, 25, 50, 100, 200 & 250°C
Item : PT100X1, SIMPLEX, 4 WIRE 1/10 DIN RTD WITH INDICATOR
Inst. Sr. No. & ID. No. : 23000858 & ICS/STD/162(S-1)
Indi. ID. No. : ICS/STD/162
Indi. Make & Model : YUDIAN & AI-5600
Location : AT Lab
Condition of item : GOOD



Calibration Procedure : The UUC was allowed to be stable at specified temperature points. The reading of Standard and UUC was recorded. This Certificate Format No. F-LAB-6 The report provides the reading and deviation. As per Work Instruction no. WI-LAB-16. Temperature (in °C) against RTD reading (in Ohms) are calculated by using ASTM E-1137/E1137M-04. Minimum Immersion depth for RTD is 100 MM.

The UUC has been compared with the following working standards of sensor & measuring instrument.

Standards	Traceable To	Certificate No.	Valid Up to
SPRT DIGITAL THERMOMETER CALSYS -100/40 CALSYS 300	TEMPSENS, UDAIPUR YMPL, UDAIPUR	TL/023/260.2.1 YMPL/341032/134408	24.02.2024 08.07.2024

The Standards used for calibration is traceable to National / International Standard.

The results of calibration are as under :

Sr. No.	Standard Sensor °C	UUC °C	Dev. °C	Expanded uncertainty (± °C)
1	-89.647	-89.589	0.058	0.070
2	-79.688	-79.634	0.054	0.055
3	-39.743	-39.709	0.034	0.055
4	-19.780	-19.757	0.023	0.055
5	0.014	0.036	0.022	0.055
6	24.861	24.887	0.026	0.055
7	50.121	50.160	0.039	0.055
8	99.825	99.886	0.061	0.055
9	199.712	199.798	0.086	0.055
10	249.638	249.751	0.113	0.055

Temperature Scale: ITS - 90

Ambient Temp. : 25±4°C

Relative Humidity : 50±20%RH

Calibrated By

Checked By

Certified By
Harish Kumar Kharol
(Asst. Quality Manager)

Note:

- (1) The calibration results reported in this certificate are valid at the time of and under the stated condition of measurement for the particular sample.
- (2) The report shall not be reproduced except in full, without written permission of the laboratory
- (3) Coverage factor "k" = 2 at approx 95.45% confidence level.
- (4) Next Calibration Due Date mentioned as per customer requirement

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फ्लूइड कंट्रोल रिसर्च इंस्टिट्यूट, पालक्काड
FLUID CONTROL RESEARCH INSTITUTE, PALAKKAD

An ISO 17025 : 2017, 9001 : 2015 Establishment
 An Autonomous R&D Organisation under Ministry of Heavy Industries, Govt. of India.
KANJIKODE WEST, PALAKKAD - 678 623, KERALA, INDIA.

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CERTIFICATE OF CALIBRATION

OF DIGITAL TACHOMETER FOR
 M/s. INDIAN CALIBRATION SERVICES
 304 & 313, "LAXMI DEEP", DIST. CENTRE,
 LAXMI NAGAR, DELHI-110092



ULR No.CC239523110000192F

Noise And Vibration Laboratory

Certificate No.:FCRI/NVL-C/0173/23/033

Page 1 of 2 pages

Date of Receipt	Date of Calibration	Date of Issue	Recommended Calibration Due Date
03.05.2023	08.05.2023	11.05.2023	07.05.2025

Details of Device Under Calibration:

Digital Tachometer			
Nomenclature	Make	Model	Sl. No.
LINE SEIKI		TM-5000EK-038	211-0093V
			Id. No.
			ICS/STD/136

Environmental condition :
 Temperature : 25±2.5°C Relative Humidity : 50±15%

Work Procedure code : WP/EQL/C08

Summary : The Tachometer was calibrated in Non-Contact mode up to 99950 rpm.

Details of Standard Instruments:				
Nomenclature	Make	Model	Sl. No.	Due Date
Function generator	Agilent	33120A	US36048354	15.02.2024

Expanded reference system uncertainty :

60 to 10000 rpm	: ± 0.7 rpm	[Non-contact mode]
10000 to 50000 rpm	: ± 1.5 rpm	
50000 to 100000 rpm	: ± 2.5 rpm	

Results: Results are given in enclosed table.

Calibrated by

Jithin v jayan

Report prepared by

Jithin v jayan

Authorized signatory

A Tamil Chandran, CRE