



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.multitechcs.com

CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR

Certificate No:	20100014696	Issued On:	01/01/2021
ULR No:	CC214620100014696F	Calibration Date:	31/12/2020
Job Identification No:	ICS/C/T/12/14696	Next Calibration Date:	30/12/2021
Ref. No:	SRF, Dated - 29/12/2020		

CALIBRATED FOR: M/s Alknanda Diagnostic Lab.
H-1, Vikrmaditya Tower, (Basement),
Alknanda Shopping Complex, Alknanda, New Delhi-110019.

EQUIPMENT DESCRIPTION

Name	Digital Temperature Indicator with Sensor		
Make/Model	---	Visual Inspection	Ok
Serial No.	---	I.D. No.	---
Range	-50°C to 110°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 Standard (NPL, New Delhi)

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

USED EQUIPMENT DETAILS Methanol Bath, Water Bath & Dry Block Calibrator

PRINCIPLE/METHODOLOGY OF CALIBRATION: As per Calibration Procedure No.: ICS/CAL/SOP-TH02 (ITS-90) (Comparison Method)

RESULTS: Thermal Calibration

All readings are in "°C"

U.U.C. READING	CORRECTED VALUE OF STANDARD (AVG.)	Uncertainty at approx 95% C.L and coverage factor k=2
-30.0	-30.142	± 0.18
20.0	20.024	± 0.18
50.0	50.963	± 0.28
70.0	70.932	± 0.28
110.0	110.899	± 0.41

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

END OF REPORT

- Note:**
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 - Total liability of our Organisation is limited to the invoiced amount.
 - Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.
 - In case any reconfirmation of contents of this Calibration Certificate is required. Please contact our office.
 - 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



CC-2146

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CALIBRATION CERTIFICATE OF LABORATORY CENTRIFUGE

Certificate No:	21900000018	Issued On:	06/01/2021
ULR No:	CC214621900000018F	Calibration Date:	05/01/2021
Job Identification No:	ICS/C/AS/01/18	Next Calibration Date:	04/01/2022
Ref. No:	SRF, Dated - 04/01/2021		

CALIBRATED FOR:	M/s Alknanda Diagnostic Lab. H-1, Vikrmaditya Tower, (Basement), Alknanda Shopping Complex, Alknanda, New Delhi-110019.
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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.	---
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 Standard (NPL, New Delhi)

Name of the Standard	Make	Certificate No.	Calibration Agency	Date of Calibration	Valid up to
Digital Tachometer	LUTRON/ DT-2234C	FCRI/EQL/19-20/051	FCRI, Palakkad	26/04/2019	26/04/2021

USED EQUIPMENT DETAILS	Not Applicable
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PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS/CAL/SOP-RPM01 (Measurement Method)
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RESULTS: Mechanical Calibration 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	1360	± 4
Position # 2	2239	± 5
Position # 3	2688	± 5
Position # 4	2995	± 5
Position # 5	3428	± 6

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

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RAJESH KAPOOR
Operation-Head



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CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	21700000018	Issued On:	06/01/2021
ULR No:	CC214621700000018F	Calibration Date:	05/01/2021
Job Identification No:	ICS/C/MVD/01/18	Next Calibration Date:	04/01/2022
Ref. No:	SRF, Dated - 04/01/2021		

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

EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	---	Visual Inspection	Ok
Serial No.	YE4A217917	I.D. No.	---
Range	5 µl - 50 µl	Least Count	0.5 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD EQUIPMENT DETAILS Traceable to National Standards

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Stainless Steel Wire Weights	E ₁ Class as per OIML recom.	WMCL/E/2020-05/3364	WMCL	31/05/2020	30/05/2023
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

USED EQUIPMENT DETAILS	Calibrated Balance, Distilled Water & Glass wares
PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration
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
0.0050 (05.0 µl)	0.004941 (0004.941 µl)	± 0.3 µl
0.0250 (25.0 µl)	0.024905 (0024.905 µl)	± 0.3 µl
0.0500 (50.0 µl)	0.049863 (0049.863 µl)	± 0.3 µl

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