

## Calibration Certificate

Lab ID	Masters	Traceability
CEQ023	M-10 Steel Slip Gauge Set, Make : Aditya, Sr. No. : 3188, Size : 2.5 to 25 mm, Grade : 0	Traceable to National Standard through NABL Lab Certificate No. 2024/01/095, Cal Date : 03/01/2024, Vali
CEQ024	M-88 Steel Slip Gauge Set, Make : Aditya, Sr. No. : 3187, Size : 0.5 to 100 mm, Grade : 0	Traceable to National Standard through NABL Lab Certificate No. 2024/01/096, Cal Date : 04/01/2024, Vali
CEQ025	Caliper Checker, Make : Aditya, Sr. No. : 1019, Size : 20 to 600 mm	Traceable to National Standard through NABL Lab Certificate No. 2024/01/101, Cal Date : 04/01/2024, Vali
CEQ026	Dial Calibration tester, Make : Micron, Sr. No. 13 02 18, Range : 0 to 25 mm. Resolution : 0.0002 mm	Traceable to National Standard through NABL Lab Certificate No. 2024/01/097, Cal Date : 03/01/2024, Vali
CEQ031	Electronic Probe with DRO, Make : Baker, Sr. No. CAA407 & D2087, Range : 0 to 0.2 mm, Resolution : 0.0001 mm	Traceable to National Standard through NABL Lab Certificate No. 2024/01/102, Cal Date : 04/01/2024, Vali
CEQ034	Steel Comparator Stand, Make : Micron, Sr. No. : 290218, Size : 60 mm dia	Traceable to National Standard through NABL Lab Certificate No. 2024/01/098, Cal Date : 03/01/2024, Vali
CEQ037	Steel Length bars (11 Nos), Make : Mikronix, Sr. No. : 4902, Size : 25 to 50 mm	Traceable to National Standard through NABL Lab Certificate No. 2024/01/100, Cal Date : 04/01/2024, Vali
CEQ038	Steel Length bars (12 Nos), Make : Mikronix, Sr. No. : 4903, Size : 25 to 300 mm	Traceable to National Standard through NABL Lab Certificate No. 2024/01/099, Cal Date : 03/01/2024, Vali

Calibration By(Jayesh Patel)



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Authorized Signatory(Vinod Kotadiya / Ankit Jain)

# Calibration Certificate

if. No CC-2188, Pune, id up to 02/01/2026
if. No CC-2188, Pune, id up to 03/01/2026
if. No CC-2188, Pune, id up to 03/01/2026
if. No CC-2188, Pune, id up to 02/01/2026
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Calibration By(Jayesh Patel)



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Authorized Signatory(Vinod Kotadiya / Ankit Jain)

# Calibration Certificate

Certificate No	LM250601/1 / TN / DM / 002	Unique Lab Report (ULR) ID	TN25000000050F
Date of Calibration	1/6/2025	Recommended Next Due Date*	1/6/2026
Receipt / WRF No.	LM250601/1	Date of DUC Received	1/6/2025
Certificate Issue Date	3/6/2025	Calibration performed at	Lab

## Details of Customer

Name	abc
Address	0
Ref. Doc. No.	go_001
Date of Doc.	6/1/2025

## Details of Device under Calibration (DUC)

Nomenclature	Vernier Caliper		
Calibration Range	0 to 300 mm	Mfg. Serial No	sr_1
Resolution	0.01 mm	Identification No	id_1
Make / Model	make / model	Condition of DUC	Good

## Details of Calibration Masters and Traceability

Lab ID	Description of Master	Traceability
CEQ025	Caliper Checker, Make : Aditya, Sr. No. : 1019, Size : 20 to 600 mm	Traceable to National Standard through NABL Lab Certif. No CC-2188, Pune, Certificate No. 2024/01/101, Cal Date : 04/01/2024, Valid up to 03/01/2026
CEQ024	M-88 Steel Slip Gauge Set, Make : Aditya, Sr. No. : 3187, Size : 0.5 to 100 mm, Grade : 0	Traceable to National Standard through NABL Lab Certif. No CC-2188, Pune, Certificate No. 2024/01/096, Cal Date : 04/01/2024, Valid up to 03/01/2026
CEQ037	Steel Length bars (11 Nos), Make : Mikronix, Sr. No. : 4902, Size : 25 to 50 mm	Traceable to National Standard through NABL Lab Certif. No CC-2188, Pune, Certificate No. 2024/01/100, Cal Date : 04/01/2024, Valid up to 03/01/2026
CEQ038	Steel Length bars (12 Nos), Make : Mikronix, Sr. No. : 4903, Size : 25 to 300 mm	Traceable to National Standard through NABL Lab Certif. No CC-2188, Pune, Certificate No. 2024/01/099, Cal Date : 03/01/2024, Valid up to 02/01/2026

## Details of Calibration Procedure and Reference Documents

Lab Procedure	Method of Calibration
Lab Procedure No. : COP/001-01	The calibration of DUC was carried out by using Precision Caliper Checker, Slip Gauge and Length bars for External, Internal & Depth measurement
Calibration Method is generally based on	NABL 129 - 2019, IS 16491 (Part 1) - 2016

## Details of Environment Condition at the Time of Calibration

Temperature (20°C ± 2°C) #DIV/0! °C	Relative Humidity (50 ± 15% Rh) #DIV/0! % Rh
Uncertainty of Measurement	± 10.0 µm

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$  such that the coverage probability corresponds to 95.45% confidence level

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Date of Calibration	1/6/2025	Recommended Next Due Date*	1/6/2026

**DISCIPLINE : MECHANICAL CALIBRATION**

**GROUP : DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**

## Calibration Result

### 1.0 Calibration Result of DUC / Error of Measurement (All value in mm)

Sr. No.	External Measurement			Internal Measurement			Depth Measurement		
	Standard Size	Observed on DUC	Error	Standard Size	Observed on DUC	Error	Standard Size	Observed on DUC	Error
1	0.000	0.00	0.00	20.000	20.00	0.00	0.000	0.00	0.00
2	20.000	20.00	0.00	50.000	50.00	0.00	25.000	25.00	0.00
3	50.000	50.00	0.00	100.000	100.00	0.00	50.000	50.00	0.00
4	100.000	100.00	0.00	150.000	150.00	0.00	100.000	100.00	0.00
5	150.000	150.00	0.00	200.000	200.00	0.00	150.000	150.00	0.00
6	200.000	200.00	0.00	250.000	250.00	0.00	200.000	200.00	0.00
7	250.000	250.00	0.00	300.000	300.00	0.00	250.000	250.00	0.00
8	300.000	300.00	0.00	-	-	-	300.000	300.00	0.00

### 2.0 Parallelism error of measuring Jaws (All Value in mm)

Parallelism of external measuring jaws	0.012	Parallelism of Internal measuring jaws	0.011
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#### General Remarks

- The reading has been rounded off wherever applicable
- Calibration is performed without doing any adjustment in its original condition at time of receipt/calibration, unless mentioned herein
- The calibration results relate only to the item calibrated and result reported in the certificate are valid at the time of and under the stated conditions of measurement.
- The Calibration certificate shall not be reproduced except in full, without written permission of the Laboratory
- \*Recommended Next Due Date is reported as per requisition of customer

-- End of Certificate --

<b>Receipt No</b>	LM250601/1
<b>Job No</b>	LM250601/1 / TN / DM / 002
<b>URL No</b>	TN25000000050F
<b>Issue Date</b>	3/6/2025
<b>Customer Name</b>	abc
<b>Customer Address</b>	
<b>Receipt Type</b>	Lab
<b>Gatepass No</b>	go_001
<b>Gatepass Date</b>	6/1/2025
<b>Receipt Date</b>	1/6/2025
<b>Calibration Date</b>	1/6/2025
<b>Due Date</b>	1/6/2026
<b>Description</b>	description
<b>Make</b>	make
<b>Model</b>	model
<b>Sr No</b>	sr_1
<b>ID No</b>	id_1
<b>Location</b>	gandhinagar
<b>Type</b>	type