

CALIBRATION CERTIFICATE

ULR Number	Certificate Number	Date of Issue
CC293425000001916F	CEPL/2025/275/1	19/10/2025

Customer Name & Address	Chavanke Engineering Pvt. Ltd. 110/2, Gangamai Industrial Complex, MIDC, Ambad Nashik - 422010	
Ref. CRF Number	CRF/2025/275	
Environmental Conditions	Temperature : 20.5 °C	Humidity: 58 %RH
Ref. Work Instruction No.	WI-022	
Reference Standard Used	IS: 16491 (Part I): 2024 & NABL 129	
Discipline / Group	Mechanical (Group : Dimension -Basic Measuring Instrument ,Gauge Etc.)	
Calibrated at	In House	

DETAILS OF UNIT UNDER CALIBRATION (UUC)

Description	: Digital Caliper	Code Number / ID Number	: M-20
Make / Model	: Insize	Serial Number	: X070319345
Resolution	: 0.01 mm	Range / Size	: 0 to 150 mm
Condition of UUC	: Satisfactory	Date of Calibration	: 19/10/2025
Location	: -----	Next Calibration Due	: 18/10/2026
Date of Receipt	: 19/10/2025		

DETAILS OF THE STANDARD INSTRUMENT USED FOR CALIBRATION

Description	Id/Sr. No.	Certificate No	Traceability	Validity
Caliper Checker	M-02 / 8659	KCP/05/24~25/4600	K C Precision	07/08/2026
Plain Ring Gauges	M-12 / 2443-1	P/05/240609	Accurate Engineering Co. Pvt. Ltd.	30/08/2026

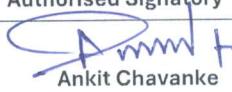
Notes :

- 1) UUC Stands for Unit Under Calibration.
- 2) Equipment's are traceable to National / International standards.
- 3) The reported measurement uncertainty is estimated at a level of confidence of 95.45% with a coverage factor $k = 2$.
- 4) The certificate refers only to the particular item submitted for calibration.
- 5) The Report Shall not be reproduced except in full without approval of "CHAVANKE ENGINEERING PVT. LTD..
- 6) The calibration results reported in the certificate are valid at the time of and under the stated condition of measurement.
- 7) Next due date mentioned in the certificate is given as per customer request & agreed with customer.
- 8) Readings given above are as on received condition of UUC.
- 9) Above Calibration performed, is meant for Scientific & Industrial purpose only.
- 10) No any Deviations or Exclusions are there from selected Calibration Method, while performing this Calibration Activity.
- 11) No any Corrections / adjustments or Repairs are done to UUC, hence no any before & after adjustment readings are applicable in this activity.
- 12) Laboratory is responsible for all the information provided in this Calibration Certificate, except for the information provided by customer like UUC Details, Calibration Validity, etc.



Scope QR Code

For Chavanke Engineering Pvt.Ltd.

Calibrated By	Authorised Signatory
 Prajita Avhad	 Ankit Chavanke
Technical Assistant	Quality Manager

Fo-046,Rev.00

Page No : 01 of 03

Works : 110/2, Gangamai Industrial Complex, MIDC, Ambad, Nashik-10. **Ph.:** 8888188532, 9552517970.

E-mail : calibration@ceplnsk.com / **Web :** www.ceplnsk.com

CALIBRATION CERTIFICATE

ULR Number	Certificate Number	Date of Issue
CC293425000001916F	CEPL/2025/275/1	19/10/2025

External Measurements

Calibration Point	Standard Reading	UUC Reading	Error
mm	mm	mm	mm
0.0	0.00	0.00	0.00
20.0	20.00	20.00	0.00
50.0	50.00	50.00	0.00
100.0	100.00	100.00	0.00
150.0	150.00	150.01	0.01

Internal Measurements

Calibration Point	Standard Reading	UUC Reading	Error
mm	mm	mm	mm
0.0	0.00	0.00	0.00
20.0	20.00	20.00	0.00
50.0	50.00	50.00	0.00
100.0	100.00	100.01	0.01
150.0	150.00	150.01	0.01

Depth Measurements

Calibration Point	Standard Reading	UUC Reading	Error
mm	mm	mm	mm
20.0	20.00	20.00	0.00
50.0	50.00	50.00	0.00
100.0	100.00	100.00	0.00
150.0	150.00	150.01	0.01

Parallelism of External Jaw error	0.00
Parallelism of Internal Jaw error	0.01

Evaluation of Partial Surface Contact Error

Nominal Size (D)	(E1-D)	(E2-D)	(E3-D)	MPE (±)
mm	mm	mm	mm	mm
10.0	0.00	0.00	0.01	0.02
20.0	0.01	0.01	0.00	0.02
50.0	0.01	0.00	0.01	0.02
100.0	0.01	0.01	0.01	0.03
150.0	0.01	0.00	0.00	0.03

For Chavanke Engineering Pvt.Ltd.

Calibrated By


Prajita Avhad

Technical Assistant



Authorised Signatory


Ankit Chavanke

Quality Manager

Fo-046,Rev.00

Page No : 02 of 03

Works : 110/2, Gangamai Industrial Complex, MIDC, Ambad, Nashik-10. Ph.: 8888188532, 9552517970.
E-mail : calibration@ceplnsk.com / Web : www.ceplnsk.com

ISO/IEC 17025:2017 ACCREDITED CALIBRATION LABORATORY (ACCREDITATION BODY : NABL)

CALIBRATION CERTIFICATE

ULR Number	Certificate Number	Date of Issue
CC293425000001916F	CEPL/2025/275/1	19/10/2025

Evaluation of Scale Shift Error

Parameter	Observed Size	MPE (±)
mm	mm	mm
Scale Shift Error for internal measuring faces for Calipers	0.01	0.03
Shift Error for Crossed Knife-Edge internal measuring faces	0.01	0.03
Shift Error for Depth measuring faces	0.00	0.03
Shift Error for Step measuring faces	0.01	0.03

Evaluation of Line Contact Error

Nominal Size	(A1-A2)	(A2-A3)	(A1-A3)	MPE (±)
mm	mm	mm	mm	mm
15.0	0.01	0.01	0.00	0.06

Uncertainty of Measurement (at 95.45% confidence level with coverage factor k=2) ± µm :	11.03
---	-------



For Chavanke Engineering Pvt.Ltd.

Calibrated By


Prajita Avhad

Technical Assistant



Authorised Signatory


Ankit Chavanke

Quality Manager

Fo-046,Rev.00

- End of Calibration Certificate -

Page No : 03 of 03

Works : 110/2, Gangamai Industrial Complex, MIDC, Ambad, Nashik-10. **Ph.:** 8888188532, 9552517970.

E-mail : calibration@ceplnsk.com / **Web :** www.ceplnsk.com