



JEMS Calibration Services OPC Pvt Ltd Calibration Certificate



51/53, Industrial, Nagdevi Cross Lane, 1st Floor, Mumbai 400003
 TEL : (022) 23421696 Cell No 9987342000 / 9653315236,
 Email: jemscalibration@gmail.com

Certificate No :	JCS/0966/24	Date of Calibration	07-03-2024
Issued On	07-03-2024	Valid till (As suggested by customer)	06-03-2025
SRF No:	0282/0966/24	Date of Receipt	07-03-2024
Customer:	M/s: 'United Stainless LLP.		
Address:	22/2nd Carpenter Street, Mumbai 400004		
Customer Ref No/Accuracy :		Not Specified	in mm
Identification of U.U.C :	Measuring Tape		
Make/L.C/Range :	Freemans Ikon	1 mm	7.5 mt (7500 mm)
Reference Standard/Cal. Procedure No:	IS- 1269/P7.2-24		Location : LAB
Pre Calibration Status :	OK		Sr No/Id : JCS/0966/24
Environmental Condition in °C & Rh:	20 ± 2°C & 50 ± 10% Rh		Model No :

Standard Equipment used for Calibration

Name	Id.No.	Traceability	Certificate No	Valid Till
Steel Tape Calibrator	JCS/TC/01	CC-2653	JCS/1754/23	25-05-2024

Calibration Results for Deviation from Nominal Length

Parameter	Standard Reading on UUC (mm)	Observed Measured value in mm on Master	Error in Measuring Interval (mm)	Cumulative Error in mm	Parameter	Standard Reading on UUC (mm)	Observed Measured value in mm on Master	Error in Measuring Interval (mm)	Cumulative Error		
First Meter, Deviation from Nominal length in pull condition	Zero set at outer edge in pull condition				Subsequent 1000mm, zero setting is done on previous 1000mm value. (Measuring interval is 1000mm)	Subsequent 1000mm, zero setting is done on previous 1000mm value. (Measuring interval is 1000mm)	-	-	-	-	
	First Graduation	1.87	-	-			-	-	-	-	-
	51 - 52(mm) x 1	1.18	-0.18	-			-	-	-	-	-
	91 - 92 (mm) x 1	1.16	-0.16	-			-	-	-	-	-
	28-29 (cm) x 10	10.19	-0.19	-			-	-	-	-	-
	56-57 (cm) x 10	10.21	-0.21	-			-	-	-	-	-
	1-2 (dm) x 100	100.23	-0.23	-			-	-	-	-	-
	5-6 (dm) x 100	100.25	-0.25	-			-	-	-	-	-
Subsequent 1000mm, zero setting is done on previous 1000mm value. (Measuring interval is 1000mm)	1 mt x 1000	1000.24	-0.24	-	-	-	-	-	-		
	2 mt x 1000	1000.25	-0.25	-0.49	-	-	-	-	-		
	3 mt x 1000	1000.20	-0.20	-0.69	-	-	-	-	-		
	4 mt x 1000	1000.18	-0.18	-0.87	-	-	-	-	-		
	5 mt x 1000	1000.19	-0.19	-1.06	-	-	-	-	-		
	6 mt x 1000	1000.24	-0.24	-1.30	-	-	-	-	-		
	7 mt x 1000	1000.23	-0.23	-1.53	-	-	-	-	-		
	7.5 mt x 1000	500.20	-0.20	-1.73	-	-	-	-	-		

Conversion Factor:- 1cm = 10 mm, 1dm = 10 cm = 100 mm, 1m = 10dm = 100 cm = 1000 mm

Calibration by Comparison Method

Uncertainty of Measurement ±903.8 µm at 95.45% Confidence Level (Coverage factor k=2)

All Units of Measurement are in mm

 Calibrated By Technical Manager Mr. DILIP VADHIYA			 Authorized By QUALITY MANAGER Mr. JOLLIN A DOSHI
Cert No JCS/0966/24	for NABL Scope & Certificate		

1. The calibration results reported in this report are valid at the time of & the stated condition.
2. The calibration certificate shall not be reproduced expect in full, without written approval of JEMS CALIBRATION SERVICES
3. This report refers only to particular item(s) submitted for calibration.
4. Verify JCS/0966/24 certificate Authenticity by Scanning two QR Codes: one for the Copy of Certificate and the other for Nabl Scope
5. All the measurements performed are traceable to National Standards through a chain of traceability
6. The parameter for Deviation from Nominal Length at suitable intervals is calibrated as per client request in pull condition
7. Confirmatory Statement not Provided since not required,

ULR NO CC265324000000966F

ULR NO CC265324000000966F

NABL 120: 2.3.4 Mechanical Discipline Dimensions (Basic Measuring Instruments, Gauges etc.)



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Issued On	07-03-2024	Valid till (As suggested by customer)	06-03-2025
SRF NO :	0282/0965/24	Date of Receipt	07-03-2024
Customer :	M/s: <i>United Stainless LLP.</i>		
Address :	22/2nd Carpenter Street, Mumbai 400004		
Customer Ref No/Accuracy :			
Identification of Unit.Under.Calibration :	External Micrometer		
Make/Range/L.C :	Yuzuki	0-25 mm	0.01 mm
Reference Standard/Cal. Procedure No:	IS-2967/P7.2-04	Location :	Lab
Pre Calibration Status :	OK	Sr No of Micrometer	210879858
Environmental Condition in °C & Rh:	20 ± 2°C & 50 ± 10% Rh	Model No of Micrometer	

Standard Equipment used for Calibration

Name	Id.No.	Traceability	Certificate No	Valid Till
Gauge Block	JCS/SG/01	CC-2751	OM/47/210174	12-03-2024

Calibration Results

Calibration Result for External Micrometer Screw Error			Calibration Result for Gauge Length Error of Mic Setting Rod		
Standard Size on Master Gauge Block in mm	Observed Size on UUC under Measurement in mm	Deviation in mm	Standard Size on Setting Rod in mm	Observed Size on Setting Rod in mm	Deviation in mm
0.000	0.000	0.000	-	-	-
2.500	2.498	-0.002	-	-	-
5.100	5.098	-0.002	-	-	-
7.700	7.699	-0.001	-	-	-
10.300	10.302	0.002	-	-	-
12.900	12.897	-0.003	-	-	-
15.001	14.998	-0.003	-	-	-
17.600	17.602	0.002	-	-	-
20.200	20.197	-0.003	-	-	-
22.800	22.803	0.003	-	-	-
25.000	24.997	-0.003	-	-	-
Observed Size on each Extended Range					
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

All Units of Measurement are in mm

Calibration by Comparison Method

Uncertainty of Measurement ±3.2µm at 95.45% Confidence Level (Coverage factor k=2) for Micrometer

 Calibrated By Technical Manager Mr. DILIP VADHIYA			 Authorized By QUALITY MANAGER Mr. JOLLIN A DOSHI
Cert No JCS/0965/24		for NABL Scope & Certificate	

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4. Verify JCS/0965/24 certificate Authenticity by Scanning two QR Codes: one for the Copy of Certificate and the other for Nabl Scope
4. All the measurements performed are traceable to National Standards through a chain of traceability
5. Confirmatory Statement not Provided since not required,
6. The parameter for Micrometer Screw Error (Error of Measurement) calibrated as per Client Request.

ULR NO CC26532400000965F

ULR NO CC26532400000965F

NABL 120: 2.3.4 Mechanical Discipline Dimensions (Basic Measuring Instruments, Gauges etc.)



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Tel:(022) 23421696 , Cell No 9987342000 / 9653315236
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Certificate No :	JCS/0964/24	Date of Calibration	07-03-2024
Issued On :	07-03-2024	Valid till (As suggested by customer)	06-03-2025
SRF No :	0282/0964/24	Date of Receipt	07-03-2024
Customer :	M/s : United Stainless LLP.		
Address :	22/2nd Carpenter Street, Mumbai 400004.		
Customer Ref No/Accuracy :	-		
Identification of Unit Under Calibration(UUC) :	Caliper Digital		
Make/Range/L.C :	Yuzuki	0-300 mm	0.01 mm
Reference Standard/Cal. Procedure No :	IS:16491 (Part -I) 2016,P7.2-03	Location :	Lab
Pre Calibration Status :	OK	Sr No :	23110113
Environmental Condition in °C & Rh:	20 ± 2°C & 50 ± 10% Rh	Model No:	-

Standard Equipment used for Calibration

Name	Id.No.	Traceability	Certificate No	Valid Till
Gauge Block	JCS/SG/01	CC-2751	OM/47/210174	12-03-2024
Gauge Block	JCS/SG/03	CC-3585	CCS/23/S137/001	29-10-2025
Gauge Block Assesories	JCS/AS/01	CC-2653	JCS/0394/23	09-02-2025

Calibration Results for External Measurement

		Zero Error		0.00
Sr No	Standard Size on Master Gauge Block in mm	Observed Value on UUC For External Measurement in mm	Error in mm	
1	0.00	0.00	0.00	
2	21.01	21.01	0.00	
3	50.00	50.01	0.01	
4	100.00	100.02	0.02	
5	150.00	149.99	-0.01	
6	200.00	199.98	-0.02	
7	300.00	299.97	-0.03	

Observed Measured Value on Unit Under Measurement for Internal Measurement in mm

1	50.00	50.00	0.00
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Observed Measured Value on Unit Under Measurement for Depth Measurement in mm

1	50.00	50.00	0.00
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All Units of Measurement are in mm

Calibration by Comparison Method

Uncertainty of Measurement ±18.6 µm at 95.45% Confidence Level (Coverage factor k=2)

 Calibrated By Technical Manager Mr. DILIP VADHIYA	 Cert No JCS/0964/24	 for NABL Scope & Certificate	 Authorized By QUALITY MANAGER Mr. JOLLIN A DOSHI
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5. All the measurements performed are traceable to National Standards through a chain of traceability.
6. Confirmatory Statement not Provided since not required,
7. The Parameter for Error in External /Internal/Depth in Jaws calibrated as per Client Request.

ULR NO CC26532400000964F

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NABL 120: 2.3.4 Mechanical Discipline Dimensions (Basic Measuring Instruments, Gauges etc.)