



NCQC LABORATORY LLP

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CC-2128

Visit our Web Site : www.calibrationlaboratory.in • LLP IN : ACH-9094 / GSTIN : 24AAWFN8511B1Z9

Precision Calibration Centre with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate

F/CR/M/001/02 Issue No. 02

Name of Customer NCQC LABORATORY LLP 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No. NCQC-M/200924/024
	Date of Issue 20/09/2024 Date of Calibration 20/09/2024 Suggested Due Date 19/09/2025
Date of Receipt / Ref.No.: 19/09/2024	

ULR No. : CC212824000006575F	Discipline : Mechanical Calibration Dimension (Basic-Measuring Instrument, Gauges etc.)
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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-133 Serial No. : 67198041 Name of Instrument : Digital Micrometer
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Range 0 to 150 mm Resolution 0.001 mm Make / Model Mitutoyo/=== Location Mechanical Laboratory	Initial Error Nil Visual Inspection Satisfactory Type / Size Digital
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Loc. of Calibration At Laboratory Environment Cond. 20 ± 2 °C, 40 % to 60 % RH Actual Env. Cond. 20.5 °C 51.7 % RH	Std. Ref. Used IS 2967 Cali.Method No. NCQC/CM/M/001 & 003
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Master Instruments Detail

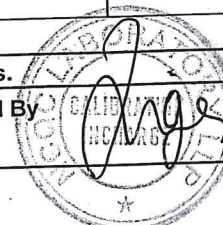
NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
98	Tungsten Carbide Slip Gauge set	Mikronix / M88/1	NCQC/M-108/3909	CC-2102	SG 3980	17/09/2025
351	Optical Flat	Mitutoyo / 158-118	NCQC/M-171 / 003728	CC-2717	QSI/1522/23/09	08/09/2025
350	Optical Parallel	Mitutoyo / 157-903	NCQC/M-172 / =====	CC-2717	QSI/1523/23/09	08/09/2025
292	Electronic Probe With D.R.O	Sylvac / ===	NCQC/M-129/ 11273017	CC-2128	NCQC-M/300923/001	29/09/2024
08	Granite Surface Plate	Micro-Flat / ===	NCQC/M-09	CC-2128	NCQC-M/290823/002	28/08/2025

Calibration of Results

Standard Readings in mm	Reading Observer by UUC in mm	Error in mm	Expanded Uncertainty in µm (k =2) ±
125.000	125.000	0.000	1.551
127.500	127.500	0.000	1.574
130.100	130.100	0.000	1.616
132.700	132.700	0.000	1.668
135.300	135.300	0.000	1.690
137.900	137.900	0.000	1.715
140.000	140.000	0.000	1.697
142.600	142.600	0.000	1.793
145.200	145.200	0.000	1.815
147.800	147.801	0.001	1.858
150.000	150.001	0.001	1.844

Traceable To National / International Standards.

Calibrated By Maulik Rathod Calibration Engineer	Reviewed & Approved By Jigar Panchal Calibration Incharge
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NCQC System Certificate No 285

NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"



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Discipline : Mechanical Calibration
Dimension (Basic-Measuring Instrument, Gauges etc.)

Details of Observation of Unit Under Calibration

Identification No. : NCQC/M-133
 Serial No. : 67198041
 Name of Instrument : Digital Micrometer

Calibration Results of Setting Stick


Standard Size in mm	Reading Observer by Reference in mm	Error in mm	Expanded Uncertainty in μm (k =2)
25.000	24.9999	-0.0001	6.5000
50.000	49.9998	-0.0002	6.5000
75.000	75.0001	0.0001	6.5000
100.000	99.9998	-0.0002	6.5000
125.000	124.9998	-0.0002	6.5000
Flatness		Parallelism	
Within 2 μm		Within 2 μm	

Remarks:

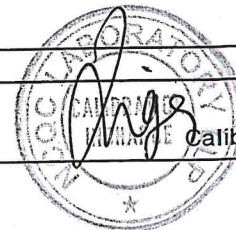
- Averages of minimum five readings are reported.
- Suggested due date is given based on customer requirements.
- These results are obtained at the time of calibration.
- Condition of instrument found satisfactory during receipt.
- Result relates to the item calibrated only.
- No external provider was used for calibration and hence it is not applicable.
- Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor k = 2
- Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard.

Traceable To National / International Standards.

Calibrated By


 Maulik Rathod
 Calibration Engineer

Reviewed & Approved By



Jigar Panchal
 Calibration Incharge

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