



Since 1998

NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058
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CC-2128

Visit our Web Site : www.calibrationlaboratory.in

Precision Calibration 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 National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat		Certificate No. Date of Issue Date of Calibration Suggested Due Date	NCQC-M/201222/006 20/12/2022 20/12/2022 19/12/2023
ULR No. : CC212822000013883F		Discipline : Mechanical Calibration (Basic-Measuring Instrument, Gauge etc.)	
Details of Observation of Unit Under Calibration		Identification No. : NCQC/M-133 Serial No. : 67198041 Name of Instrument : Digital Micrometer	
Range Resolution Make / Model Location	0 to 150 mm 0.001 mm Mitutoyo/=== Lab	Initial Error Visual Inspection Accuracy Type / Size	Nil Satisfactory ±0.002 mm Digital
Loc. of Calibration Environment Cond.	At Laboratory 20 ± 2 °C, 40% to 60 % Rh	Std. Ref. Used Cali.Method No.	IS 2967 NCQC/CM/M/001 & 003

Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
84	Slip Gauge set	Aditya / M88/1	NCQC/M-109 / 2967	CC-2102	SG 3112	22/09/2023
119	Slip Gauge Set	Mikronix / =====	NCQC/M-107 / 3910	CC-2102	SG 3110	22/09/2023
351	Optical Flat	Mitutoyo / 158-118	NCQC/M-171 / 003728	CC-2717	QSI/2585/2V09	19/09/2023
350	Optical Parallel	Mitutoyo / 157-903	NCQC/M-172 / =====	CC-2717	QSI/2586/2V09	19/09/2023
292	Electronic Probe With D.R.O	Sylvac/ ===	NCQC/M-129/112730 17	CC-2128	NCQC-M/011022/001	30/09/2023
08	Granite Surface Plate	Micro-Flat / ===	NCQC/M-09	CC-2128	NCQC-M/300822/027	29/08/2023

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	1.520
127.500	127.500	0.000	1.520
130.100	130.100	0.000	1.520
132.700	132.700	0.000	1.520
135.300	135.300	0.000	1.528
137.900	137.900	0.000	1.555
140.000	140.000	0.000	1.554
142.600	142.600	0.000	1.601
145.200	145.200	0.000	1.665
147.800	147.801	0.001	1.712
150.000	150.001	0.001	1.713

Traceable To National / International Standards.

Calibrated By Harsh Patel Calibration Engineer	Reviewed & Approved By Jigar Panchal Calibration Incharge
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NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"



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Calibration Certificate

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

Name of Customer National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat		Certificate No. 20/12/2022	NCQC-M/201222/006
		Date of Issue 20/12/2022	
		Date of Calibration 20/12/2022	
		Suggested Due Date 19/12/2023	
		Date of Receipt / Ref.No.: 20/12/2022	
ULR No. : CC212822000013883F	Discipline : Mechanical Calibration (Basic-Measuring Instrument, Gauge 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	6.4000
50.000	49.9999	-0.0001	6.4000
75.000	75.0002	0.0002	6.4000
100.000	99.9998	-0.0002	6.4000
125.000	124.9997	-0.0003	6.4000
Flatness Within 2 μm		Parallelism Within 2 μm	

Remarks:

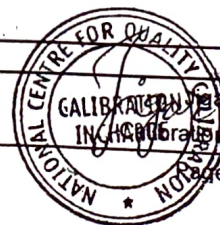
- Averages of minimum five readings are reported.
- Suggested due date is given based on customer requirements
- These results are obtained at the time of calibration.
- Condition of instrument found satisfactory during receipt.
- Any hand written corrections (except @) or photocopies of the report invalidates 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

Harsh Patel
Calibration Engineer

Reviewed & Approved By



Anil Panchal
Incharge

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