

TRUE COPY

CALIBRATION CERTIFICATE OF LENGTH BAR	CALIBRATION CERTIFICATE NO. KCP/02/24~25/3492	
	ULR No: CC2323 24 0 00008072 F	
ISSUE DATE OF CERTIFICATE: 29-06-2024	PAGE: 1 of 2	NO. OF PAGES: 2

NAME & ADDRESS OF
THE CUSTOMER

: M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION
House No.4, Abhishree Corporate Park,
Nr. Swagat Banglow BRTS, Iskon-Ambli Road, Ambli,
AHEMEDABAD - 380 058.

CUSTOMER'S REFERENCE
DATE OF RECEIPT
ITEM FOR CALIBRATION

: DC No.: 20062024/04. Date.: 20/06/2024
: 21-06-2024.
: Steel Length Bar Set., Type: M-2.
ID No: NCQC/M-04, Sr.No.: 10138 Make: KCP.

DISCIPLINE: Mechanical-Dimension,
GROUP: Basic Measuring Instrument, Gauges etc

CONDITION OF ITEM
LAB WORK ORDER NO.
DATE & PLACE OF CALIBRATION
CALIBRATION PROCEDURE

: OK
: 24-25/119
: 29-06-2024, @ KCP Lab.
: Determination of center deviation & parallelism
of gauge block by comparison method by using ULM as per
procedure No. KCP/PCD/07-02 & as per IS 7014:1973
: Used standards are traceable to National standards
(direct/thro' NABL accredited Lab.)

EQUIPMENTS / REFERENCE
CALIBRATION STANDARDS

Sr.No.	Type of Master equipments	I.D. No.	Calibration Report No.	Valid Up to
1.	Gauge Block set, M122/1, Gr. 'K' Material: Steel, $\alpha = 11.5 \times 10^{-6} / ^\circ \text{C}$	10185	P/01/220100	19-11-2024
2.	Steel Long Gauge Block Set M-8	180	KCP/02/23~24/8798	21.12.2025
3.	Universal length measuring machine	000619	OM/46/220039	15-02-2025

ENVIRONMENTAL CONDITION : Temperature- $20.1^\circ \sim 20.4^\circ$ [$20^\circ \pm 1^\circ \text{C}$]
Humidity (RH)- $52.0\% \sim 53.0\%$. [$50 \pm 10\%$]

UNCERTAINTY OF MEASUREMENT : $\pm 1.6 \mu\text{m}$ up to 300 mm

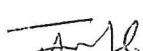
The Uncertainty stated is the expanded uncertainty of measurement obtained by multiplying
the standard uncertainty by the coverage factor $K=2$ corresponds to confidence level of 95.45%

Note:

- 'ln' = Nominal length, 'lc' = Central length.
- α = Coefficient of Thermal Expansion.

NEXT CALIBRATION DUE DATE : 28-06-2026.

NOTE: Next calibration due date (2 years) mentioned in the certificate is given as per customer's request.

NOTE: Next calibration due date (2 years) mentioned in the certificate is given as per customer's request.		
CALIBRATED BY  V.V.SIMANT (Inspector)		AUTHORIZED SIGNATORY  T.V.JAMKHEDKAR (Technical Manager)
• This certificate refers only to the particular item(s) submitted for calibration. • The calibration results reported in this certificate are valid at the time of & under the stated condition of measurement. • This certificate shall not be reproduced except in full, unless written permission of Quality Manager (Calibration Lab)		

NCQC System Certificate No 135

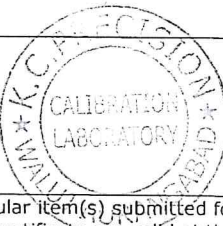


TRUE COPY

CALIBRATION CERTIFICATE OF LENGTH BAR	CALIBRATION CERTIFICATE NO. KCP/02/24~25/3492	
DATE OF CALIBRATION: 29-06-2024	PAGE: 2 Of 2	NO. OF PAGES: 2

CALIBRATION RESULTS**ITEM FOR CALIBRATION:** Steel Length Bar Set**Sr.No.:**10138**TYPE:** M-2**ID NO:** NCQC/M-04,**MAKE:** KCP**LAB WORK ORDER NO:** 24-25/119

Nominal Length (1n) 'mm'	Error in Gauge Length (1c-1n) ' μ m'	Parallelism ' μ m'
200.00	+0.30	0.10
300.00	+0.45	0.12

CALIBRATED BY  V.V.SIMANT (Inspector)		AUTHORIZED SIGNATORY  T.V.JAMKHEDKAR (Technical Manager)
- This certificate refers only to the particular item(s) submitted for calibration. - The calibration results reported in this certificate are valid at the time of & under the stated condition of measurement. - This certificate shall not be reproduced except in full, unless written permission of Quality Manager (Calibration Lab)		

