

TRUE COPY

CALIBRATION CERTIFICATE OF LENGTH BAR	CALIBRATION CERTIFICATE NO. KCP/02/21~22/8852.	
	ULR No: CC2323 21 0 00011252 F	
DATE OF CALIBRATION: 25-12-2021	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,
Near Swagat Bungalow BRTS, Iskon-Ambli Road, Ambli
AHMEDABAD - 380 058.

CUSTOMER'S REFERENCE : DC No: 131221/002
DATE OF RECEIPT : 19-12-2021
ITEM FOR CALIBRATION : STEEL LONG LENGTH BAR, Type: M-3, Grade: 'CALIBRATION'
Sr. No: 1609, ID NO: NCQC/M-105, Make: KCP.
DISCIPLINE: Mechanical-Dimension,
GROUP: Precision Measuring Instrument, Gauges etc.

CONDITION OF ITEM : OK
LAB WORK ORDER NO. : 21-22/455

CALIBRATION PROCEDURE : Determination of deviation & parallelism of Length Bar by comparison method as per procedure No.KCP/PCD/07-01-02 & as per IS 7014-1973.

EQUIPMENTS / REFERENCE CALIBRATION STANDARDS : Used standards are traceable to National standards (direct/thro' NABL accredited Lab.)

Sr. No.	Type of Master equipments	I.D. No.	Calibration Report No.	Valid Up to
2.	Gauge Block set, M8, Gr. 'K'	180	KCP/02/21~22/1509.	18-05-2023
2.	Universal length measuring machine	000619	OM/46/200016	24.02.2023

ENVIRONMENTAL CONDITION : Temperature- 20.1°~20.4° [20° ± 1° C]
Humidity (RH) - 49.1% ~ 50.3%. [50 ± 10%]

UNCERTAINTY OF MEASUREMENT : ± 2.1 µm up to 300 mm length

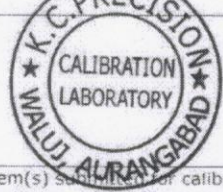
The Uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor K=2 corresponds to confidence level of 95.45%

- Note:**
- 'In' = Nominal length, 'Ic' = Central length
 - α = Coefficient of Thermal Expansion

NCQC
Valid up to 25/12/2023
Reviewed *[Signature]*

NEXT CALIBRATION DUE DATE : 25-12-2023.

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

<p>CALIBRATED BY</p> <p><i>[Signature]</i> V.V.SIMANT (Inspector)</p>		<p>AUTHORIZED SIGNATORY</p> <p><i>[Signature]</i> T.V.JAMKHEDKAR (Technical Manager)</p>
<ul style="list-style-type: none"> • 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) 		

CALIBRATION CERTIFICATE OF LENGTH BAR	CALIBRATION CERTIFICATE NO. KCP/02/21~22/8852.	
DATE OF CALIBRATION: 25-12-2021	PAGE: 2 Of 2	NO. OF PAGES: 2

CALIBRATION RESULTS

ITEM FOR CALIBRATION: Steel Length Bar

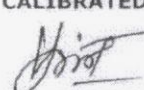

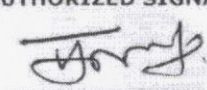
TYPE: M-3

MAKE: KCP

SR NO: 1609

LAB WORK ORDER NO: 21-22/455

Nominal Length (l_n) 'mm'	Error in Gauge Length ($l_c - l_n$) ' μ m'	Parallelism ' μ m'
100.00	-0.45	0.15
175.00	-0.75	0.12
250.00	-0.30	0.14

<p>CALIBRATED BY</p>  <p>V.V.SIMANT (Inspector)</p>		<p>AUTHORIZED SIGNATORY</p>  <p>T.V.JAMKHEDKAR (Technical Manager)</p>
<ul style="list-style-type: none"> 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) 		