

**TRUE COPY**

CALIBRATION CERTIFICATE OF <b>LENGTH BAR</b>	CALIBRATION CERTIFICATE N O. <b>KCP/02/22~23/2711.</b>	
	ULR No: <b>CC2323 22 0 000059 1.1 F</b>	
ISSUE DATE OF CERTIFICATE: 02-07-2022	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** : DC No.: 11062022/04  
**DATE OF RECEIPT** : 16-06-2022

**ITEM FOR CALIBRATION** : STEEL LONG LENGTH BAR, Type: M-2, Grade: '0'  
ID No: NCQC/M-04, Sr. No. 10138. Make: KCP  
**DISCIPLINE:** Mechanical-Dimension,  
**GROUP:** Basic Measuring Instrument, Gauges etc

**CONDITION OF ITEM** : OK  
**LAB WORK ORDER NO.** : 22-23/143.  
**DATE & PLACE OF CALIBRATION:** 22-06-2022, @ KCP Lab.  
**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
1.	Gauge Block set, M8, Gr. 'K'	180	21100794/D1.02/C-198	22-12-2023
2.	Universal length measuring machine	000619	OM/46/200016	24.02.2023

**ENVIRONMENTAL CONDITION** : Temperature- 19.7°~20.2° [20° ± 1° C]  
Humidity (RH) - 50.0% ~ 51.0%. [50 ± 10%]

**UNCERTAINTY OF MEASUREMENT** : ± 1.5 µm up to 300 mm  
± 1.7 µm Over 300 up to 600 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:**

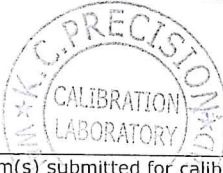
- 'ln' = Nominal length, 'lc' = Central length
- $\alpha$  = Coefficient of Thermal Expansion

**NEXT CALIBRATION DUE DATE** : 22-06-2024.

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

NCQC  
Valid up to 22-06-2024  
Reviewed: *[Signature]*

NCQC System Certificate No. 135

<p><b>CALIBRATED BY</b></p> <p><i>[Signature]</i></p> <p><b>V.V.SIMANT</b> (Inspector)</p>		<p><b>AUTHORIZED SIGNATORY</b></p> <p><i>[Signature]</i></p> <p><b>T.V.JAMKHEDKAR</b> (Technical Manager)</p>
<ul style="list-style-type: none"> <li>This certificate refers only to the particular item(s) submitted for calibration.</li> <li>The calibration results reported in this certificate are valid at the time of &amp; under the stated condition of measurement.</li> <li>This certificate shall not be reproduced except in full, unless written permission of Quality Manager (Calibration Lab)</li> </ul>		



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**CALIBRATION RESULTS**

**ITEM FOR CALIBRATION:** Steel Length Bar

**TYPE:** M-2

**MAKE:** KCP

**ID NO:** NCQC/M-04,

**LAB WORK ORDER NO:** 22-23/143

Nominal Length (1n) 'mm'	Error in Gauge Length (1c-1n) ' $\mu$ m'	Parallelism ' $\mu$ m'
<b>200.00</b>	+0.10	0.10
<b>300.00</b>	+0.20	0.15

<p><b>CALIBRATED BY</b></p> <p><b>V.V.SIMANT</b> (Inspector)</p>		<p><b>AUTHORIZED SIGNATORY</b></p> <p><b>T.V.JAMKHEDKAR</b> (Technical Manager)</p>
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\*\*\*END OF CERTIFICATE\*\*\*

