



NABL ACCREDITATION  
CERTIFICATE No.: CC-2323

TRUE COPY



Reference Precision Instruments

www.kcpindia.com

CALIBRATION CERTIFICATE OF <b>LENGTH BAR</b>	CALIBRATION CERTIFICATE NO. <b>KCP/02/20~21/0978.</b>	
	ULR No: <b>CC2323 20 0 00002988 F</b>	
DATE OF CALIBRATION: 24-06-2020	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 : Internal requisition  
DATE OF RECEIPT : 18-03-2020

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. : 20-21/681.  
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'	KCP/LGB/02	KCP/02/19~20/0832	15-05-2021
2.	Universal length measuring machine	000619	CGIL/2019/0328/C-002	27-03-2021

ENVIRONMENTAL CONDITION : 20° ± 1° C

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

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

NEXT CALIBRATION DUE DATE : 24-06-2022.

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

<b>CALIBRATED BY</b>  <b>V.V. SIMANT</b> (Inspector)	 <b>K.C.P. PRECISION CALIBRATION LABORATORY</b> AURANGABAD	<b>AUTHORIZED SIGNATORY</b>  <b>T.V. JAMKHEDKAR</b> (Technical Manager)
<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 for the name 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>		

NCQC System Certificate No. 135

NCQC  
Valid up to 24-06-2022  
Reviewed



NABL ACCREDITATION  
CERTIFICATE No.: CC-2323



[www.kcpindia.com](http://www.kcpindia.com)

CALIBRATION CERTIFICATE OF <b>LENGTH BAR</b>		CALIBRATION CERTIFICATE NO. <b>KCP/02/20~21/0978.</b>	
DATE OF CALIBRATION: 24-06-2020	PAGE: 2 Of 2	NO. OF PAGES: 2	

**CALIBRATION RESULTS**

**ITEM FOR CALIBRATION:** Steel Length Bar


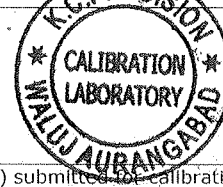

**TYPE:** M-2

**MAKE:** KCP

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

**LAB WORK ORDER NO:** 20-21/681

Nominal Length ( $l_n$ ) 'mm'	Error in Gauge Length ( $l_c - l_n$ ) ' $\mu$ m'	Parallelism ' $\mu$ m'
200.00	-0.10	0.10
300.00	-0.15	0.10

<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>
<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>		