



NABL ACCREDITATION  
CERTIFICATE No.: CC-2323



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TRUE COPY

CALIBRATION CERTIFICATE OF <b>LENGTH BAR</b>	CALIBRATION CERTIFICATE NO. <b>KCP/02/19~20/4420.</b>	
	ULR No: <b>CC2323 19 0 00008821 F</b>	
DATE OF CALIBRATION: 09-10-2019	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: 24092019

DATE OF RECEIPT : 01-10-2019

ITEM FOR CALIBRATION : STEEL LONG LENGTH BAR, Type: M-1, Grade: '0'  
Sr. No: 1361, ID No: NCQC/M-05  
Make: KCP

**DISCIPLINE:** Mechanical-Dimension,  
**GROUP:** Precision Measuring Instrument, Gauges etc

CONDITION OF ITEM : OK

LAB WORK ORDER NO. : 19-20/328

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	19070363/D1.02/C-120	27-08-2021
2.	Universal length measuring machine	000619	CGIL/2019/0328/C-002	27-03-2021

ENVIRONMENTAL CONDITION : 20° ± 1° C

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

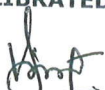
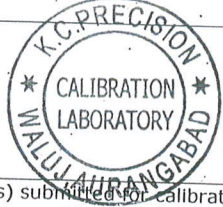

NCQC System Certificate No 151

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

Valid up to 08-10-2023  
Reviewed

<p>CALIBRATED BY</p>  <p><b>V.V.SIMANT</b> (Inspector)</p>		<p>AUTHORIZED SIGNATORY</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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Reference Precision Instruments

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

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**CALIBRATION RESULTS**

**ITEM FOR CALIBRATION:** Steel Length Bar

**TYPE:** M-1



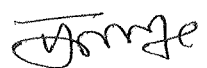
**SR NO:** 1361

**ID NO:** NCQC/M-05

**MAKE:** KCP

**LAB WORK ORDER NO:** 19-20/328

Nominal Length (ln) 'mm'	Error in Gauge Length (lc-ln) 'µm'	Parallelism 'µm'
<b>500.0</b>	+1.20	0.05

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