



NABL ACCREDITATION
CERTIFICATE No.: C-0432



Reference Precision Instruments

www.kcpindia.com

CALIBRATION CERTIFICATE OF LENGTH BAR		CALIBRATION CERTIFICATE NO. KCP/02/17~18/3043.	
DATE OF CALIBRATION: 24-03-2018	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 Bungalow BRTS,Iskcon-Ambli Road,Ambli,
AHEMEDABAD – 380 058.

CUSTOMER'S REFERENCE : DC No: 17032018 dated 17-03-2018
DATE OF RECEIPT : 24-03-2018
ITEM FOR CALIBRATION : STEEL LENGTH BAR SET, Type: M-2,Grade: '0'
Sr No: 10138,ID No: NCQC/M-04,Make: KCP
CONDITION OF ITEM : OK
LAB WORK ORDER NO. : 1120
CALIBRATION PROCEDURE : Determination of deviation & parallelism of Length Bar by comparison
method as per procedure No.KCP/PCD/07-02 & 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	17031350/D1.02/C-057	16-05-2019
2.	Electronic Lever Probe with Transfer Stand	KCP/LVDT/01	KCP/29/16~17/5823	27-12-2018

ENVIRONMENTAL CONDITION : 20° ± 1° C
UNCERTAINTY OF MEASUREMENT : ± 2.1 µm up to 300 mm length


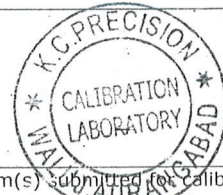
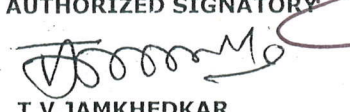
The Uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor K=2 corresponds to confidence level of 95.45%.

Note:

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

NCQC System Certificate No. 135

NCQC
Valid up to 23/3/2020
Reviewed

<p>CALIBRATED BY</p>  <p>S.S.KONDEKAR (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) 		



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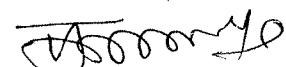
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DATE OF CALIBRATION: 24-03-2018	PAGE: 2 OF 2	NO. OF PAGES:	2

CALIBRATION RESULTS

ITEM FOR CALIBRATION: Steel Length Bar Set
TYPE: M-2
SR NO: 10138,**ID NO:** NCQC/M-04

MAKE: KCP
LAB WORK ORDER NO: 1120

Nominal Length (l_n) 'mm'	Error in Gauge Length ($l_c - l_n$) ' μ m'	Parallelism ' μ m'
200.0	-0.15	0.05
300.0	-0.30	0.20

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