



TRUE COPY

KCP

Reference Precision Instruments

CC-2323

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CALIBRATION CERTIFICATE OF LENGTH BAR	CALIBRATION CERTIFICATE NO. KCP/02/21~22/7209	
	ULR No: CC2323 21 0 00009609 F	
DATE OF CALIBRATION: 23-10-2021	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.: F/ST/03.

DATE OF RECEIPT : 21-10-2021

ITEM FOR CALIBRATION : STEEL LONG LENGTH BAR SET, Type: M-1, Grade: '0'
Set Sr. No: 1361, ID No.: NCQC/M-05, Make: KCP.
DISCIPLINE: Mechanical-Dimension,
GROUP: Basic Measuring Instrument, Gauges etc.

CONDITION OF ITEM : OK

LAB WORK ORDER NO. : 21-22/352

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- 20.4°~20.5° [20° ± 1° C]
Humidity (RH) - 56.1% ~ 56.3%. [50 ± 10%]

UNCERTAINTY OF MEASUREMENT : ± 2.1 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

NCQC
Valid up to 22/10/2023
Reviewed [Signature]

CALIBRATED BY V.V.SIMANT (Inspector)	AUTHORIZED SIGNATORY T.V.JAMKHEDKAR (Technical Manager)
 <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) 	

NCQC System Certificate No. 151



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CALIBRATION RESULTS

ITEM FOR CALIBRATION: STEEL LONG LENGTH BAR SET

TYPE: M-1.

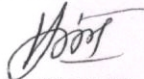
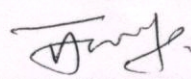
LAB WORK ORDER NO: 21-22/352

Sr. No.: 1361.

ID No.: NCQC/M-05,

Nominal Length (1n) 'mm'	Error in Gauge Length (1c-1n) 'µm'	Parallelism 'µm'
500.00	-1.8	0.15



<p>CALIBRATED BY</p>  <p>V.V.SIMANT (Inspector)</p>	<p>AUTHORIZED SIGNATORY</p>  <p>T.V.JAMKHEDKAR (Technical Manager)</p>
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