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Reference Precision Instruments

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CC-2323

CALIBRATION CERTIFICATE OF GAUGE BLOCK ACCESSORIES	CALIBRATION CERTIFICATE NO. KCP/03/21-22/7208	
	ULR No: CC2323 21 0 00009608 F	
DATE OF CALIBRATION: 27-10-2021	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 : Gauge Block Accessories, Type: 16 Pcs
Sr No: 10364, ID NO: NCQC/M-117
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 actual size & parallelism Of measuring jaw & base
by comparing with master gauge blocks as per procedure No.KCP/PCD/07-03
& as per IS 4440:1996

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, M88/1, Gr. '0'	117	KCP/01/20~21/6724	16.03.2023
2.	Gauge Block Calibrator	991	KCP/04/21~22/1075	12-06-2023
3.	Optical Flat	00936	20/53/01/041-S/3/053	14.07.2022

ENVIRONMENTAL CONDITION : 20° ± 1° C

UNCERTAINTY OF MEASUREMENT : ± 0.4 µm up to 25 mm length
± 0.4 µm for flatness.

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%

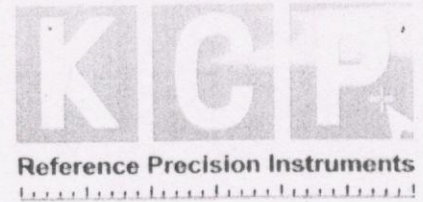
CALIBRATED BY V.V.SIMANT (Inspector)	 K C PRECISION CALIBRATION LABORATORY	AUTHORIZED SIGNATORY T.V.JAMKHEDKAR (Technical Manager)
<ul style="list-style-type: none"> This certificate refers only to the particular item(s) submitted for calibration. The calibration results reported in this certificate 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
Valid up to 26-10-2023
Reviewed [Signature]

NCQC System Certificate No. 264



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CALIBRATION RESULTS**ITEM FOR CALIBRATION:** Gauge Block Accessories**TYPE:** 16 Pcs**SR NO:** 10364**ID NO:** NCQC/M-117**MAKE:** KCP**LAB WORK ORDER NO:** 21-22/352**A. Calibration Results of Base:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
25.0	25.0003/25.0005	0.0002	0.0003

B. Calibration Results of Half Round Jaw:-

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
2.5 A	2.4996/2.4998	0.0002	0.0003
2.5 B	2.5002/2.5006	0.0004	0.0003

C. Calibration Results of Plain Jaw:-

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
5.0 A	5.0002/5.0004	0.0002	0.0003
5.0 B	5.0003/5.0005	0.0002	0.0003
6.0 A	6.0002/6.0004	0.0002	0.0003
6.0 B	6.0002/6.0004	0.0002	0.0003

D. Calibration Results of Parallel Jaw:-

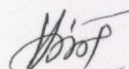
Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
---	17.5336/17.5339	0.0003	0.0003

E. Calibration Results of Measuring Jaw:-

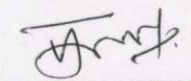
Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
A	17.1388/17.1390	0.0002	0.0003
B	17.1355/17.1358	0.0003	0.0003

F. Flatness of Centre Point: 0.0015 mm

CALIBRATED BY


V.V.SIMANT
 (Inspector)


AUTHORIZED SIGNATORY


T.V.JAMKHEDKAR
 (Technical Manager)

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