



Quality Solutions (India)

ACCREDITED BY NABL (A Constituent Board of QCI, Deptt. of Industrial Policy & Promotion, Govt. of India)
ISO/IEC 17025:2017- ACCREDITED LABORATORY



TRUE COPY

CALIBRATION CERTIFICATE

CUSTOMER : M/S NATIONAL CENTRE FOR QUALITY CALIBRATION
4, ABHISHREE CORPORATE PARK, Nr. SWAGAT BUNGLOW BRDS,
ISKCON- AMBLI ROAD, AMBLI, AHMEDABAD-380 058

Date of Performance	: 20/09/2021	Certificate No.	: QSI/2586/21/09
Date of Issue	: 21/09/2021	Service Request Date	: 18/09/2021
Service Request No.	: QSI/2586/21/09	Total Page	: 1
Page	: 1	Environment Temperature	: (20 ± 1)°C
Unit Under Calibration	: OPTICAL PARALLEL SET	Relative Humidity(%RH)	: (50 ± 10) %
Calibration Procedure	: QMP-25(WI-80M)	Location of calibration	: At Lab
Visual Inspection	: OK		

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Specification	Optical parallel Sr. No. & model	ID No.
MITUTOYO	157-903	Flatness : 0.1 µm Parallelism : 0.2 µm Diameter : 30mm Thickness :Reference Observation	Reference Observation	NCQC/M-172

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Name	Make	Sr. No./ID No.	Certificate No.	Validity	Calibrated By
Optical flat	MICRON	100915 (QSI/OF/01)	MetR1/20197-34	18/11/2021	Traceable to NPL, through NABL LAB CC-2006 (CMERI) NABL LAB CC-2717(QSI)
Two Probe Comparator (Gauge block calibrator)	KCP-TESA	207 QSI/SGC/01	QSI/2497/21/09	14/09/2023	

OBSERVATIONS

Results of measurement:

DESCRIPTION			Observed Parallelism in µm	Observed Flatness In µm
Sr. No	Model	Thickness		
021478	157-101	12.00 ± 0.01	0.04	0.032
007579	157-102	12.12 ± 0.01	0.05	0.044
007531	157-103	12.25 ± 0.01	0.05	0.007
007740	157-104	12.37 ± 0.01	0.06	0.066

Format no : F01(QMP-21)-7.8 , Issue no/ Date : 01/01/11/2019 , Revision no/ Date : 00/01/11/2019

ULR NO. CC271721000002577F

UUC : UNIT UNDER CALIBRATION

Traceability of Standard(s) : The Standard Used for calibration is traceable to National Standards

Uncertainty of Measurement (At approximately 95% Confidence Level, k=2) : ± 0.11 µm

Remark : Ref. Standard IS-5440-2020

Suggested Due Date : 19/09/2023

Calibrated By
Shri Ram Dhiman
(Technical Executive)

Issued By
Ajay Kumar Singh
(Technical Manager)

NCQC System Certificate No. 350

NCQC
Valid up to 19/09/2023
Reviewed

NATIONAL AWARD WINNER