



Quality Solutions (India)



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ISO/IEC 17025:2017- ACCREDITED LABORATORY

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CALIBRATION CERTIFICATE

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

| | | | |
|------------------------|-----------------------|-------------------------|------------------|
| Date of Performance | : 20/09/2021 | Certificate No. | : QSI/2585/21/09 |
| Date of Issue | : 21/09/2021 | Service Request Date | : 18/09/2021 |
| Service Request No. | : QSI/2585/21/09 | Total Page | : 1 |
| Page | : 1 | Environment Temperature | : (20 ± 1)°C |
| Unit Under Calibration | : OPTICAL FLAT | Relative Humidity(%RH) | : (50 ± 10) % |
| Calibration Procedure | : QMP-25(WI-23M) | Location of calibration | : At Lab |
| Visual Inspection | : OK | | |

DETAILS OF UNIT UNDER CALIBRATION

| Make | Model | Specification | Sr. No. | ID No. |
|----------|---------|--|---------|------------|
| MITUTOYO | 158-118 | Diameter : 45 mm Thickness : 12 mm Flatness : 0.1 µm | 003728 | NCQC/M-171 |

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

| Name | Make | Sr. No./ID No. | Certificate No. | Validity | Calibrated By |
|--------------|--------|----------------|-----------------|------------|-----------------------------|
| Optical flat | MICRON | 100915 | MetR1/20197-34 | 18/11/2021 | NABL LAB CC-2006 (CMERI) |

Results of measurement :

| SR. NO. | MEASURED PARAMETER | OBSERVED FLATNESS In µm |
|---------|--|----------------------------|
| 1 | FLATNESS ON MEASURING FACE A Top | 0.0441 |
| 2 | FLATNESS ON MEASURING FACE B Bottom | 0.0664 |

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

ULR NO. CC271721000002576F

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 351

NCQC
Valid up to 19/09/2023
Reviewed

NATIONAL AWARD WINNER