



Since 1998

NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058
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CC-2128

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Precision Calibration with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate

Name of Customer → National Centre For Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Banglows, BRTS, Iskon – Ambli Road, Ambli, Ahmedabad. – 380058.		Certificate No.	NCQC-M/310821/01
		Date of Issue	31-08-2021
		Date of Calibration	31-08-2021
		Suggested Due Date	30-08-2022
Date Of Receipt / Ref. No. → 31-08-2021		F/CR/M/031, Issue No.01 Page 1 of 3	
ULR – CC212821100000117F		Discipline → Mechanical Calibration, Dimensional (Precision-Precision Instruments and Surface Topology)	
Details of Observation of Unit Under Calibration	Identification No.	: NCQC/M – 09	
	Serial No.	: 6543	
	Name of Instrument	: Granite Surface Plate	
Size	400 x 400 mm	Visual Inspection	Satisfactory
Total Division in no. Of Row	4	Make	Micro-Flat
Total Division in no. Of Column	4	Accuracy	Grade "0"
		Location	Calibration Lab.
Results of Calibration			
Parameter to be checked	Permissible Values	Observed Values	
Flatness	4.5 µm	3.8 µm	
Remarks:			
<ul style="list-style-type: none"> ↪ Suggested due date is given based on customer requirements. ↪ Location of performance of calibration → At Lab. ↪ These results are obtained at the time of calibration. ↪ Any hand written corrections (except @) or photocopies in the report invalidates this certificate. ↪ Environment condition during calibration: 20 ± 2°C, 40 to 60 % Rh. ↪ Uncertainty of measurement at 95% confidence level is ± 2.8 µm at coverage factor k = 2. ↪ Reference calibration method no.: NCQC/CM/M/031. ↪ Reference standard no.: IS 12937, IS 7327 & IS 2285 ↪ Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with national / international standard 			
Details of Master Instrument Used for Calibration			
Nomenclature	Make / Model	Id. No. / Sr. No.	Calibration Due Date
Electronic Level	Bagson / BDL-011	133 / NCQC/M-116	25-06-2022
NCQC System Certificate No.	Certificate no. & Traceability of master with National Standards		
266	↪ Our master electronic level is calibrated and traceable to National Standard through NABL accredited Laboratory Tanson Instrument, Certificate No. TI/F/EL/005/21, Date – 26.06.2021.		

Traceable to National / International Standards.

Calibrated By

Arif Shaikh

Arif Shaikh

Reviewed by & Approved By

Jigar Panchal
Jigar Panchal
IN CHARGE

NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"



National Centre for Quality Calibration
ISO/IEC 17025(NABL) Accredited Calibration Laboratory
902 to 904, Samudra Annexe, Off CG Road, Ahmedabad-380006

SURFACE PLATE CALIBRATION

Report No. : NCQC-M/310821/01

Date : 8/31/2021

No. of Rows : 04
No. of Columns : 04

Measurement Readings Along Rows (Values are in Divisions)

	Col 01	Col 02	Col 03	Col 04
ROW01	0.0	0.0	-5.0	15.0
ROW02	0.0	-5.0	10.0	15.0
ROW03	0.0	-4.0	15.0	19.0
ROW04	0.0	-9.0	12.0	18.0

Measurement Readings Across Rows (Values are in Divisions)

	Col 01	Col 02	Col 03	Col 04
ROW01	0.0	0.0	0.0	0.0
ROW02	-5.0	11.0	21.0	26.0
ROW03	-12.0	12.0	24.0	29.0
ROW04	-15.0	22.0	30.0	34.0

Deviation From Regression Plane (Values are in μm)

	Col 01	Col 02	Col 03	Col 04
ROW01	1.7	0.3	-1.4	-1.3
ROW02	0.9	0.1	-0.3	0.0
ROW03	-0.3	0.0	0.1	0.9
ROW04	-2.1	-0.1	0.2	1.2

Flatness : 3.8 micrometer

Maximum Deviation : 1.7 μm

Minimum Deviation : -2.1 μm

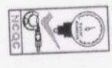
Calibrated By

Arif Shaikh

Checked By

Jigar Panchal





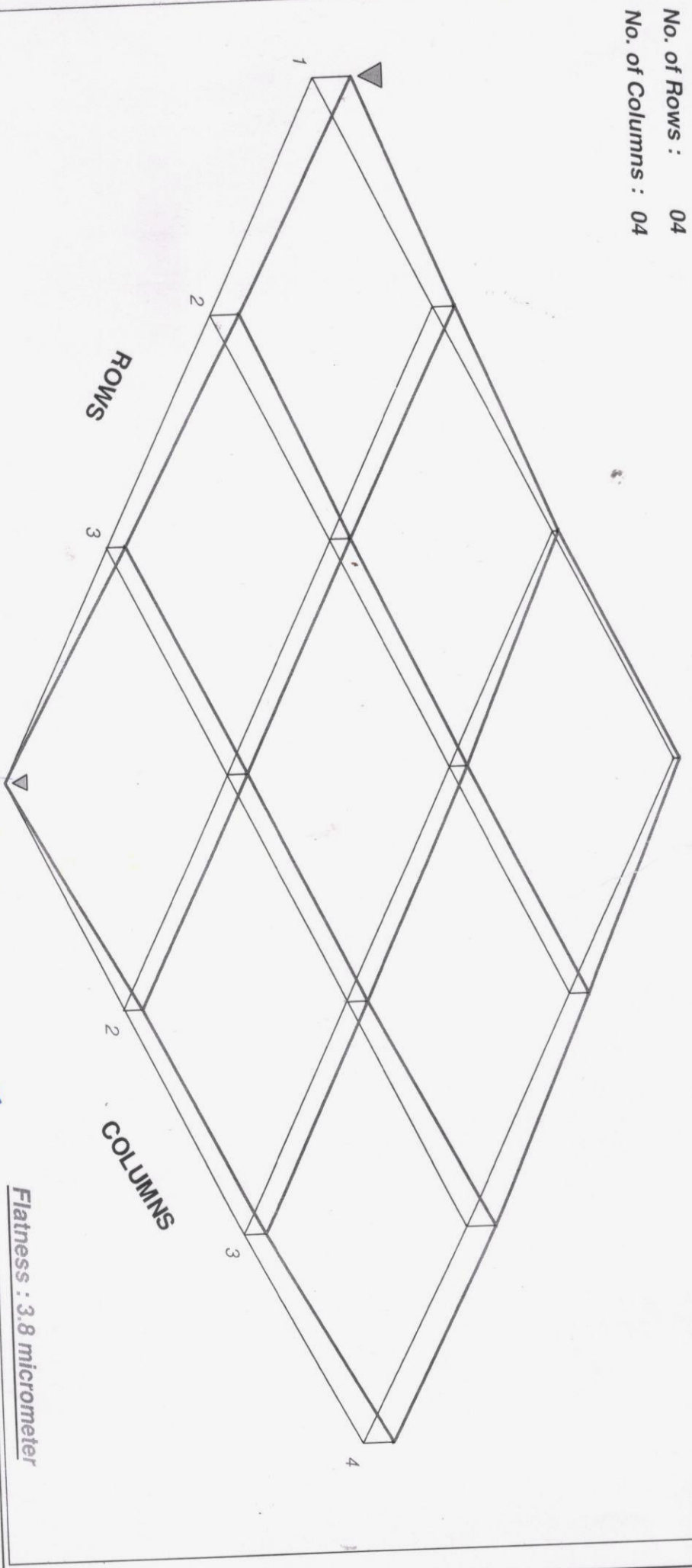
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SURFACE PLATE CALIBRATION

Report No. : **NCQC-M/310821/01**
Date : **8/31/2021**

Scale : **N T S**

No. of Rows : **04**
No. of Columns : **04**



Flatness : 3.8 micrometer

Maximum Deviation: **1.7 μ m**
Minimum Deviation: **-2.1 μ m**

Calibrated By

Arit Shaikh

Checked By

Jigar Panchal