



NATIONAL CENTRE FOR QUALITY CALIBRATION

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

Visit our Web Site : www.calibrationlaboratory.in

TRUE COPY

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/300822/027
		Date of Issue	30-08-2022
		Date of Calibration	30-08-2022
		Suggested Due Date	29-08-2023
Date Of Receipt / Ref. No. → 30-08-2022		F/CR/M/031, Issue No.01 Page 1 of 3	
ULR – CC212822000010958F		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	3.5 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/CMM/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	14-06-2023
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. T1/F/EL/003/22, Date – 15.06.2022.		

NCQC
Valid up to 29-08-2023
Reviewed ngas

NCQC System Certificate No. 08

Traceable To National / International Standards.	
Calibrated By 	Reviewed by & Approved By
Arif Shaikh	Jigar Panchal





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-MO/300822/027

Date : 8/30/2022

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	-6.0	8.0
ROW02	0.0	-11.0	-16.0	-22.0
ROW03	0.0	-8.0	-14.0	26.0
ROW04	0.0	-12.0	-10.0	24.0

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	6.0	11.0	19.0	26.0
ROW03	5.0	11.0	16.0	21.0
ROW04	15.0	16.0	21.0	29.0

Deviation From Regression Plane (Values are in μm)

	Col 01	Col 02	Col 03	Col 04
ROW01	0.8	0.6	0.0	0.3
ROW02	0.3	-0.1	-1.0	-1.6
ROW03	-0.2	-0.3	-0.9	1.0
ROW04	0.0	-0.2	-0.3	1.9

Surface : 15 micrometer

Maximum Deviation : 1.9 μm

Minimum Deviation : -1.6 μm

Calibrated By	Checked By
Arif shaikh	Jigar Panchal



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SURFACE PLATE CALIBRATION

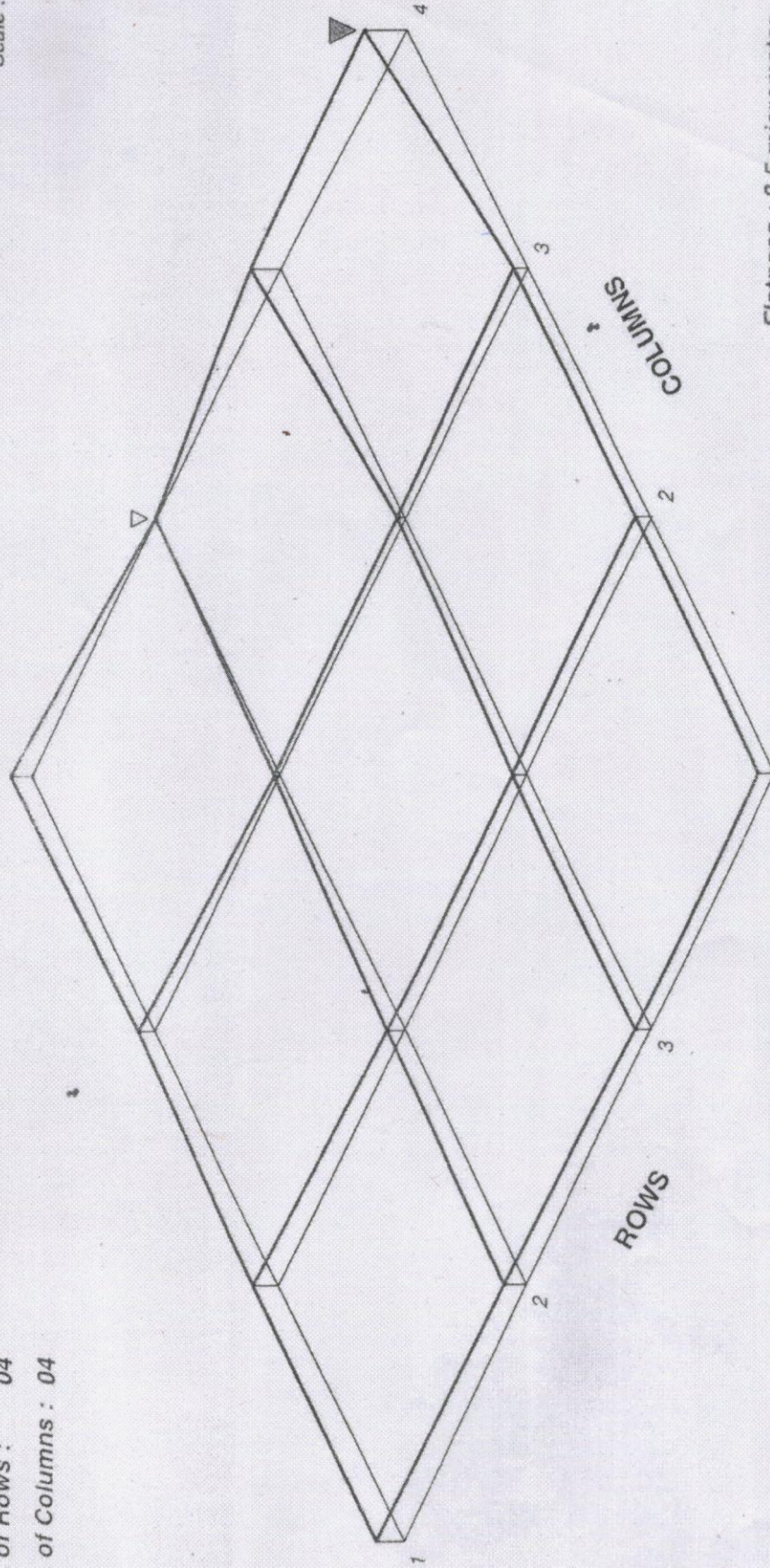
Report No. : NCQC-MO/300822/027

Date : 8/30/2022

No. of Rows : 04

No. of Columns : 04

Scale : N T S



Flatness : 3.5 micrometer

Calibrated By

Arif Shaikh

Arif shaikh

Checked By

Jigar Panchal

Jigar Panchal

Maximum Deviation: 1.9 μ m

Minimum Deviation: -1.6 μ m