



Since 1998

NATIONAL CENTRE FOR QUALITY CALIBRATION

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CC-2128

Precision Calibration with National / International Traceability of 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, Iskcon – Ambli Road, Ambli, Ahmedabad. – 380058.		Certificate No.	NCQC-M/210623/077
Date of Issue		23-06-2023	
Date of Calibration		21-06-2023	
Suggested Due Date		20-06-2024	
Date Of Receipt / Ref. No. → 21-06-2023		F/CR/M/031, Issue No.01 Page 1 of 3	
ULR – CC212823000005025F	Discipline → Mechanical Calibration, Dimensional (Basic-Measuring Instrument, Gauges etc.)		
Details of Observation of Unit Under Calibration	Identification No.	: NCQC/M-207	
	Serial No.	: 12785/1	
	Name of Instrument	: Granite Surface Plate (Flatness Checking Gauge)	
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	Mechanical Lab. – 2
Results of Calibration			
Parameter to be checked	Permissible Values	Observed Values	
Flatness	4.5 µm	2.6 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. ↘ Average temperature → 20.9 °C and average humidity 52.3 % Rh during calibration of instruments. ↘ Uncertainty of measurement at 95% confidence level is ± 2.8 µm at coverage factor k = 2. ↘ Reference calibration method no.: NCQC/CM/M/031. ↘ No external provider was used for calibration and hence it is not applicable. ↘ Result relates to the item calibrated only. ↘ Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC. ↘ 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	09-06-2024
NCQC System Certificate No.	Certificate no. & Traceability of master with National Standards		
Valid up to 2025-06-28	Our master electronic level is calibrated and traceable to National Standard through NABL accredited Laboratory Tanson Instrument, Certificate No. TI/F/EL/003/23, Date – 10.06.2023.		
Reviewed			

NCQC System Certificate No. 400

Traceable To National / International Standards.

Calibrated By

Harsh Patel

Reviewed by & Approved By

Anil Shaikh



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

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Report No. : NCQC-M/210623/077
Date : 6/23/2023

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	8.0	15.0
ROW02	0.0	-2.0	9.0	13.0
ROW03	0.0	-3.0	8.0	11.0
ROW04	0.0	-4.0	7.0	14.0

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	-2.0	-3.0	9.0	12.0
ROW03	-4.0	-6.0	8.0	15.0
ROW04	-3.0	-5.0	7.0	18.0

Deviation From Regression Plane (Values are in μm)

	Col 01	Col 02	Col 03	Col 04
ROW01	0.9	-0.1	-0.5	-0.2
ROW02	0.7	-0.4	-0.1	0.0
ROW03	0.4	-0.9	0.0	0.4
ROW04	0.1	-1.4	0.0	1.2

Maximum Deviation : 1.2 μm
Minimum Deviation : -1.4 μm

Calibrated By

Harsh Patel

Checked By

Arif Shaikh





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

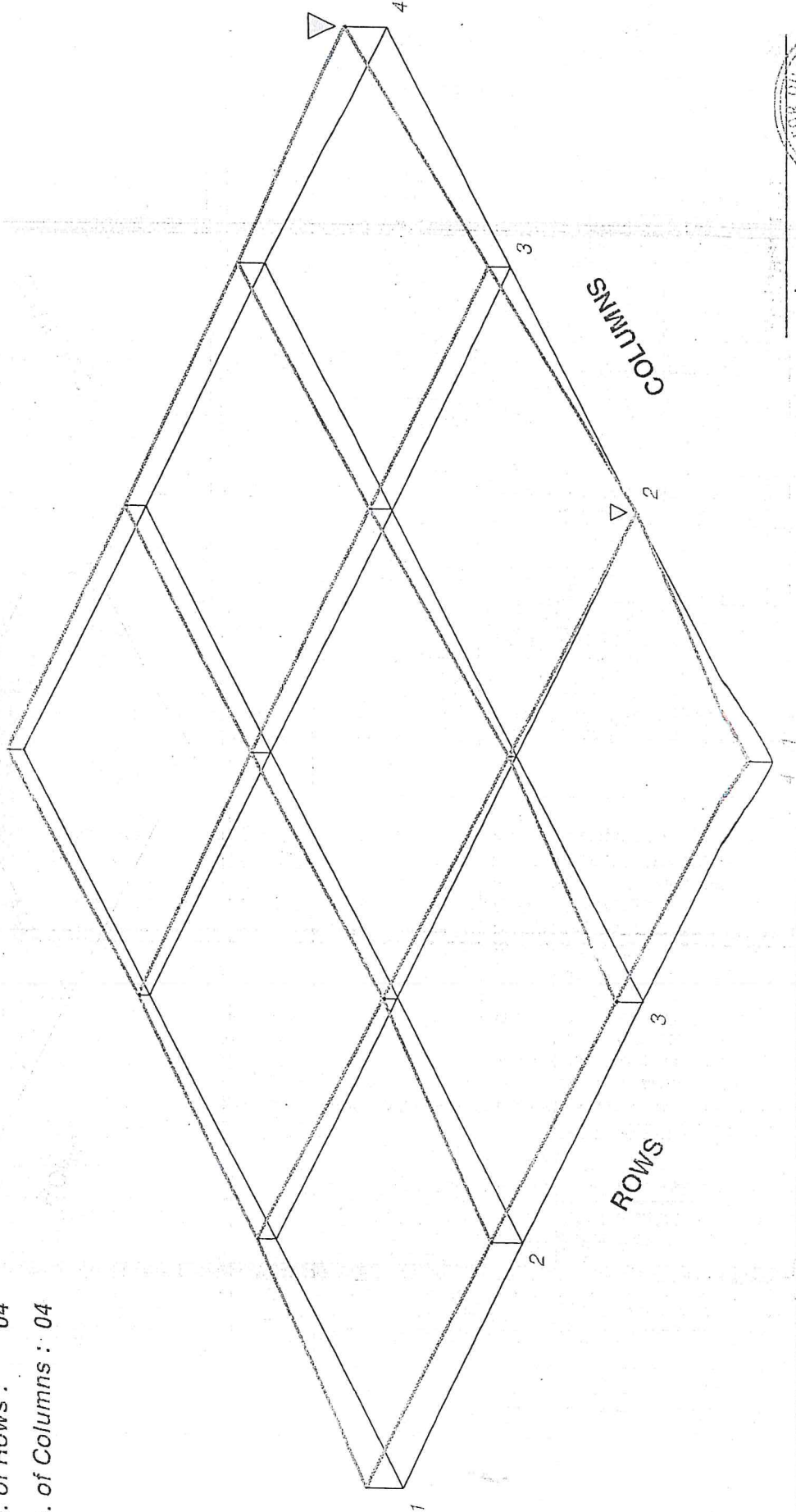
Report No. : NCQC-M/210623/077

Date : 6/23/2023

Scale : NTS

No. of Rows : 04

No. of Columns : 04



Checked By

Calibrated By

1.2 μm

4 μm

Harsh Patel

Air Shaikh