



NATIONAL CENTRE FOR QUALITY CALIBRATION

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CC-2128

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/290823/002
		Date of Issue	29-08-2023
		Date of Calibration	29-08-2023
		Suggested Due Date	28-08-2024
Date Of Receipt / Ref. No. → 29-08-2023		F/CR/M/031, Issue No.01 Page 1 of 3	
ULR – CC212823000007114F		Discipline → Mechanical Calibration, Dimension (Basic-Measuring Instrument, Gauges etc.)	
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	3.7 µm	
Remarks:			
<ul style="list-style-type: none"> ↘ Suggested due date is given based on customer requirements. ↘ These results are obtained at the time of calibration. ↘ Location of performance of calibration → At Lab. ↘ Any hand written corrections (except @) or photocopies in the report invalidates this certificate. ↘ Environment condition during calibration: 20 ± 5 °C, 40 to 60 % Rh. ↘ Average temperature → 20.6°C and average humidity → 52 % Rh during calibration of instruments. ↘ Uncertainty of measurement at 95% confidence level is ± 2.8 µm at coverage factor k = 2. ↘ 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 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	NCQC/M-116 / 133	09-06-2024
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/003/23, Date – 10.06.2023.		

NCQC
Valid up to 28-08-2024
Reviewed: *Jus*

NCQC System Certificate No. 08



Traceable To National / International Standards.

Calibrated By

Harsh Patel
Harsh Patel

Reviewed by & Approved By

Arif Shaikh
Arif Shaikh

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

SUBSTITUTE CALIBRATION
TRUE COPY

Report No. : NCQC-M/290823/002

Date : 8/29/2023

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	5.0	2.0	5.0
ROW02	0.0	9.0	-4.0	-8.0
ROW03	0.0	-10.0	-8.0	6.0
ROW04	0.0	-12.0	15.0	-16.0

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	8.0	-6.0	6.0
ROW03	-11.0	-10.0	-15.0	-13.0
ROW04	12.0	18.0	15.0	14.0

Deviation From Regression Plane (Values are in μm)

	Col 01	Col 02	Col 03	Col 04
ROW01	-0.1	0.1	0.1	0.5
ROW02	0.2	0.9	0.0	0.2
ROW03	-0.8	-1.0	-2.4	-1.3
ROW04	0.1	1.3	0.9	0.8

Flatness : 3.7 micrometer

Maximum Deviation : 1.3 μm

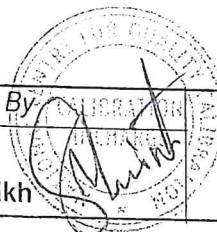
Minimum Deviation : -2.4 μm

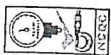
Calibrated By

Harsh Patel

Checked By

Arif Shaikh





National Centre for Quality Calibration
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 902 to 904, Samudra Annexe, Off CG Road, Ahmedabad-380006

SURFACE PLATE CALIBRATION

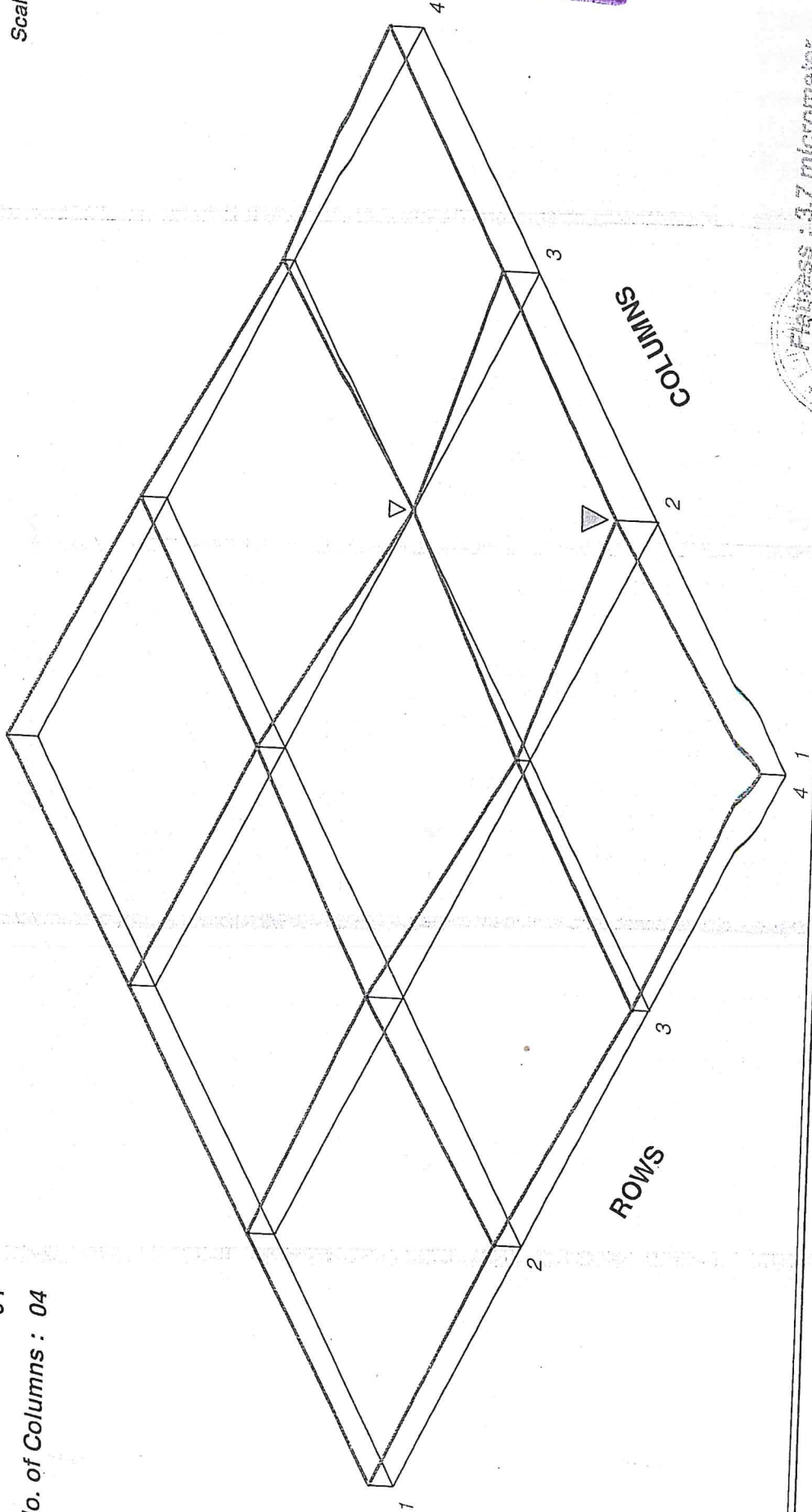
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No. of Rows : 04

No. of Columns : 04

Scale : N T S



Maximum Deviation: 1.3 μ m

Minimum Deviation: -2.4 μ m

Calibrated By

Haresh Patel

Checked By

Arif Shaikh

