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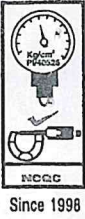
# NATIONAL CENTRE FOR QUALITY CALIBRATION

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

Ph. +91-79-29795322, 29795323 • Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370

E-mail : [ncqc@calibrationlaboratory.in](mailto:ncqc@calibrationlaboratory.in), • [calibrationlab.ncqc@gmail.com](mailto:calibrationlab.ncqc@gmail.com)

Visit our Web Site : [www.calibrationlaboratory.in](http://www.calibrationlaboratory.in)



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

## Calibration Certificate

F/CR/M/064/02 Issue No.0

<b>Name of Customer</b> National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat		Certificate No. Date of Issue Date of Calibration Suggested Due Date	NCQC-M/210223/002 22/02/2023 21/02/2023 20/02/2024
ULR No. : CC212823000000785F		Discipline : Mechanical Calibration Mass and Volume	
<b>Details of Observation of Unit Under Calibration</b>		Identification No. : NCQC/M – 44 Serial No. : 25808674 Name of Instrument : Digital Weighing Balance	
Range Resolution Make / Model Location	0.2 to 5200 g 0.01 g Sartorius/GP5205S Mass Laboratory	Initial Error Visual Inspection Accuracy	Nil Ok Class II
Loc. of Calibration Environment Cond.	At Laboratory 25 ± 1°C, 40 to 60 % Rh	Std. Ref. Used Cali.Method No.	OIML R 76 NCQC/CM/M/064

### Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
262	Reference Weight box (E1 class)	Weightronics / =====	NCQC/M – 47 / NCQC/M/W/E1/04	CC-2346	MMD/15032 1/01	14/03/2024
357	Weight (E1 Class)	M.M.D / =====	NCQC/M – 166 / ===	CC-2346	MMD/200822/01	19/08/2025
358	Weight (E1 Class)	M.M.D / =====	NCQC/M – 167 / ===	CC-2346	MMD/200822/02	19/08/2025
359	Weight (E1 Class)	Weightronics / =====	NCQC/M – 170 / ===	CC-2346	MMD/200822/03	19/08/2025
145	Weights (E2 Class)	Weightronics / =====	NCQC/M – 52 & 53 / =====	CC-2743	WMCL/E/2022–01/16 32	07/01/2025

NCQC  
Valid up to 20-02-2024  
Reviewed *[Signature]*

Traceable To National / International Standards.

Calibrated By

Himanshu Parbadiya  
Calibration Engineer

Reviewed & Approved By



Jigar Panchal  
Calibration Incharge

NCQC System Certificate No. 79

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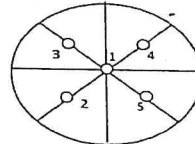
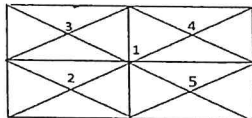
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Details of Observation of Unit Under Calibration		Identification No. : NCQC/M – 44 Serial No. : 25808674 Name of Instrument : Digital Weighing Balance	

Linearity Test

Standard Weights Put up in g.	Readings Observed By UUC in g.	Absolute Error in g.	Expanded Uncertainty in mg. (k =2)
0.1999992	0.20	0.0000008	13.52
0.5000023	0.50	0.0000023	13.82
1.0000029	1.00	0.0000029	13.52
1.9999926	2.00	0.0000074	13.52
5.000003	5.00	0.000003	13.52
9.999996	10.00	0.000004	13.82
19.999991	20.00	0.000009	13.82
50.000019	50.00	0.000019	13.82
100.000026	99.99	0.010026	18.03
199.99995	200.01	0.01005	18.04
500.00012	500.00	0.00012	13.82
1000.0003	1000.01	0.0097	17.56
2000.0001	2000.00	0.0001	13.82
4999.995	4999.99	0.005	16.21

Eccentricity Test

Standard Weights Put up in g.	Centre	Front Left	Back Left	Back Right	Front Right	Centre	Average of Center – Max Deviation of Corner
2000.0001	2000.00	2000.00	2000.00	1999.99	2000.00	2000.00	0.010



Traceable To National / International Standards.	
Calibrated By 	Reviewed & Approved By 
Himanshu Parbadiya Calibration Engineer	Jigar Pancha Calibration Incharge



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Since 1998



CC-2128

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## Calibration Certificate

F/CR/M/064/02 Issue No.0

<b>Name of Customer</b> National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon - Ambli Road, Ambli, Ahmedabad - 380 058, Gujarat		Certificate No. 22/02/2023 Date of Issue 21/02/2023 Date of Calibration Suggested Due Date 20/02/2024 Date of Receipt / Ref.No.: 21/02/2023	NCQC-M/210223/002
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### Repeatability Test @ 2500.0022 g @ Half Load

1	2	3	4	5	6	7	8	9	10	Repeatability
2500.00	2499.99	2500.00	2499.99	2500.00	2500.00	2500.00	2499.99	2500.00	2499.99	0.0052

### Repeatability Test @ 4999.995 g @ Full Load

1	2	3	4	5	6	7	8	9	10	Repeatability
4999.99	4999.98	4999.98	4999.99	5000.00	5000.00	4999.99	4999.98	4999.99	4999.98	0.0079

### Remarks :

- All the errors are found within accuracy (i.e. Linearity - ± 50 mg Up to 500 g, ± 100 mg for above 500 g to 2000 g and ± 150 mg for above 2000 g to 5200 g) of instrument specified as per OIML R 76 1.
- Instrument found 'Accepted' after calibration after applying decision rule [for up to 500 g (Max. Linearity is 10.050 mg + Max. Uncertainty is 18.04 mg, Total (Error + Uncertainty) is 28.090 mg, which is within ± 50 mg), for above 500 g to 2000 g (Max. Linearity is 9.7 mg + Max. Uncertainty is 17.56 mg, Total (Error + Uncertainty) is 27.26 mg, which is within ± 100 mg), for above 2000 g to 5200 g (Max. Linearity is 5.0 mg + Max. Uncertainty is 16.21mg, Total (Error + Uncertainty) is 21.21 mg, which is within ± 150 mg)]
- Averages of Minimum five Readings are reported.
- Suggested date is given based on customer requirements.
- These results are obtained at the time of calibration.
- Any hand written corrections (except @ marked) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor k = 2.
- Weighing balance is calibrated for scientific or industrial purpose only.
- Our masters are directly calibrated through NABL accredited calibration lab having direct traceability with National / International standard.

Traceable To National / International Standards.

Calibrated By

Himanshu Parbadiya  
Calibration Engineer

Reviewed & Approved By

  
Jigar Panchal  
Calibration Incharge

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