



Since 1998

# 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)



CC-2128

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

F/CR/M/064/02 Issue No.03

<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.	NCQC-M/170224/002
	Date of Issue	20/02/2024
	Date of Calibration	17/02/2024
	Suggested Due Date	16/02/2025
Date of Receipt / Ref.No.: 17/02/2024		

ULR No. : CC21282400000826F	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	0.2 to 5200 g	Initial Error	Nil
Resolution	0.0001 g	Visual Inspection	Ok
Make / Model	Sartorius/GP5205S	Accuracy	Class II
Location	Mass Laboratory		

Loc. of Calibration	At Laboratory	Std. Ref. Used	OIML R 76
Environment Cond.	25 ± 5°C, 40 to 60 % Rh	Cali.Method No.	NCQC/CM/M/064
Actual Env. Cond.	25.1°C 50.1 %Rh		

### 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/150321/01	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-2346	MMD/130124/01	12/01/2025

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

NCQC-System Certificate No. 79





# 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)



CC-2128

Since 1998

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

F/CR/M/064/02 Issue No.03

<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.	NCQC-M/170224/002
	Date of Issue	20/02/2024
	Date of Calibration	17/02/2024
	Suggested Due Date	16/02/2025
	Date of Receipt / Ref.No.: 17/02/2024	

ULR No. : CC21282400000826F	Discipline : Mechanical Calibration Mass and Volume
-----------------------------	--

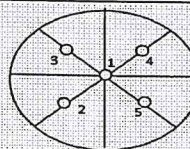
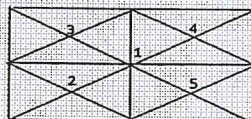
<b>Details of Observation of Unit Under Calibration</b>	Identification No. : NCQC/M – 44
	Serial No. : 25808674
	Name of Instrument : Digital Weighing Balance

### 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	13.82
1.9999926	2.00	0.0000074	14.39
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	100.01	0.009974	17.99
199.99995	199.99	0.00995	17.97
500.00012	500.00	0.00012	14.94
1000.0003	1000.01	0.0097	17.79
2000.0001	2000.01	0.0099	17.94
4999.995	4999.98	0.015	22.30

### 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	2000.01	2000.01	2000.00	2000.01	2000.00	2000.01	0.010

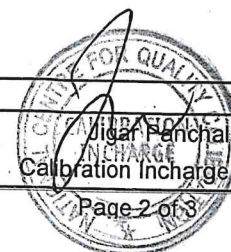


Traceable To National / International Standards.

Calibrated By

Himanshu Parbadiya  
Calibration Engineer

Reviewed & Approved By



Page 2 of 3



Since 1998

# 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)



CC-2128

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

F/CR/M/064/02 Issue No.03

<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.	NCQC-M/170224/002
	Date of Issue	20/02/2024
	Date of Calibration	17/02/2024
	Suggested Due Date	16/02/2025
Date of Receipt / Ref.No.: 17/02/2024		

ULR No. : CC21282400000826F	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

### Repeatability Test @ 2500.0022 g @ Half Load

1	2	3	4	5	6	7	8	9	10	Repeatability
2500.01	2500.00	2500.01	2500.00	2500.02	2500.00	2500.01	2500.01	2500.00	2500.01	0.0067

### Repeatability Test @ 4999.995 g @ Full Load

1	2	3	4	5	6	7	8	9	10	Repeatability
4999.98	4999.97	4999.99	4999.98	4999.97	4999.98	4999.99	4999.98	4999.98	4999.97	0.0074

### Remarks :

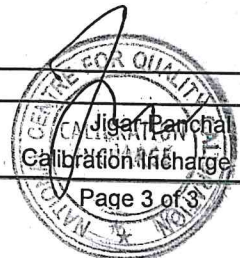
- All the errors are found within accuracy (i.e. Linearity – ± 50 mg Up to 500 g, ± 100 mg for above 500 g to 2000 g and ± 150 mg for above 2000 g to 5200 g) of instrument specified as per OIML R 76 1.
- Instrument found 'Accepted' after calibration after applying decision rule [for up to 500 g (Max. Linearity is 9.974 mg + Max. Uncertainty is 17.99 mg, Total (Error + Uncertainty) is 27.964 mg, which is within ± 50 mg), for above 500 g to 2000 g (Max. Linearity is 9.9 mg + Max. Uncertainty is 17.94 mg, Total (Error + Uncertainty) is 27.84 mg, which is within ± 100 mg), for above 2000 g to 5200 g (Max. Linearity is 15.0 mg + Max. Uncertainty is 22.30 mg, Total (Error + Uncertainty) is 37.30 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.
- Result relates to the item calibrated only.
- No external provider was used for calibration and hence it is not applicable.
- Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC.
- 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



Page 3 of 3