



Since 1996

# 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.callbratlonlaboratory.in](http://www.callbratlonlaboratory.in)



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

F/CR/M/063/03 Issue No.03

### Name of Customer

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/260423/033

Date of Issue

27/04/2023

Date of Calibration

26/04/2023

Suggested Due Date

25/04/2025

Date of Receipt / Ref.No.: 25/04/2023

ULR No. : CC21282300002454F

Discipline : Mechanical Calibration  
Mass and Volume

### Details of Observation of Unit Under Calibration

Identification No. : 1 to 10

Serial No. : ===

Name of Instrument : Weight

Range

50000 g

Make / Model  
Location

M.M.D./====  
Laboratory

Visual Inspection  
Accuracy

OK  
M1 Class

Loc. of Calibration  
Environment Cond.  
Actual Env. Cond.

At Laboratory  
25 ± 1 °C, 40 to 60% Rh, 1000 ± 15 hPa  
24.7 °C 48.1 %Rh 1004.8 hPa

Std. Ref. Used  
Cali.Method No.

OIML R 111 - 1  
NCQC/CM/M/063

### Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
360/1	Weights (E2 Class)	Weightronics / ====	NCQC/M-169	CC-2346	MMD/200822/05	19/08/2024
Weights (Denomination)		Type	Material	Assume density	Make	
50000 g - 10 Nos.		Hexagonal	Cast iron	7100 ± 600 kg/m <sup>3</sup>	M.M.D.	

### Results of calibration

Sr. No. / Id. No.	Denomination (UUC) in g.	Mass Value in g.	Deviation in g.	Expanded Uncertainty in mg. (k =2)	Status
1	50000	49999.495	-0.505	27.0000	M1
2	50000	50000.725	0.725	27.0000	M1
3	50000	49998.550	-1.450	27.0000	M1
4	50000	49998.690	-1.310	27.0000	M1
5	50000	49998.275	-1.725	27.0000	M1
6	50000	49999.290	-0.710	27.0000	M1
7	50000	49998.605	-1.395	27.0000	M1
8	50000	50000.340	0.340	27.0000	M1
9	50000	49998.995	-1.005	27.0000	M1
10	50000	49998.465	-1.535	27.0000	M1

NCQC System Certificate No. 202

Traceable To National / International Standards.

Calibrated By

Keyur Panchal  
Calibration Engineer

Reviewed & Approved By







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, • calibrationlab.ncqc@gmail.com



CC-2128

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 all ranges.

## Calibration Certificate

F/CR/M/063/03 Issue No.03

<b>Name of Customer</b> <b>National Centre for Quality Calibration</b> 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No.	NCQC-M/260423/033
	Date of Issue	27/04/2023
	Date of Calibration	26/04/2023
	Suggested Due Date	25/04/2025
Date of Receipt / Ref.No.:		25/04/2023

ULR No. : CC21282300002454F	Discipline : Mechanical Calibration Mass and Volume
-----------------------------	--

<b>Details of Observation of Unit Under Calibration</b>	Identification No. : 1 to 10
	Serial No. : ===
	Name of Instrument : Weight

Remarks:

- Mass values of all the weights are conventional mass values and within the maximum errors permissible in "M1" Accuracy Class of weights as per OIML R 111-1.
- Weights are calibrated for scientific or industrial purpose only.
- These results are obtained at the time of calibration.
- Suggested due date is given based on customer requirements.
- 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.
- Change in temperature and relative humidity during the calibration were less than  $\pm 0.7$  °C per hour and  $\pm 10\%$  Rh per 4 hours respectively).
- Calibration is performed on the mass comparator against standards mass by comparison method under controlled conditions (ABBA Method).
- Corrected mass value is calculated based on ABBA method.
- Condition of instrument found satisfactory during receipt.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor  $k = 2$ .
- Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard.

Traceable To National / International Standards.

Calibrated By	 Keyur Panchal Calibration Engineer	Reviewed & Approved By	 Keyur Panchal Calibration Incharge
---------------	---	------------------------	---

