



# NCQC LABORATORY LLP

4, Abhishree Corporate Park, Nr. Swagat Bungalow BRTS,  
Iskcon-Ambli Road, Ambli, Ahmedabad-380 058 • Ph. +91-79-29795322, 29795323,  
Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370  
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Visit our Web Site : [www.calibrationlaboratory.in](http://www.calibrationlaboratory.in) • LLP IN : ACH-9094 / GSTIN : 24AAWFN8511B1Z9

Precision Calibration Centre 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/063/01 Issue No.03

|                                                                                                                                                                          |                                                                                                                        |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Name of Customer</b><br>NCQC LABORATORY LLP<br>4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS,<br>Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058,<br>Gujarat | Certificate No.<br>Date of Issue<br>Date of Calibration<br>Suggested Due Date<br>Date of Receipt / Ref.No.: 13/09/2025 | NCQC-M/150925/007<br>15/09/2025<br>15/09/2025<br>14/09/2026 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| ULR No. : CC212825000004377F | Discipline : Mechanical Calibration<br>Mass and Volume |
|------------------------------|--------------------------------------------------------|

|                                                         |                                                                                        |                  |
|---------------------------------------------------------|----------------------------------------------------------------------------------------|------------------|
| <b>Details of Observation of Unit Under Calibration</b> | Identification No. : NCQC/M-48<br>Serial No. : ====<br>Name of Instrument : Weight Box | <b>TRUE COPY</b> |
|---------------------------------------------------------|----------------------------------------------------------------------------------------|------------------|

|              |                          |                   |          |
|--------------|--------------------------|-------------------|----------|
| Range        | 0.001 to 200 g           | Visual Inspection | OK       |
| Make / Model | Weigh India/====         | Accuracy          | E2 Class |
| Location     | Mass & Volume Laboratory |                   |          |

|                     |                                        |                 |                |
|---------------------|----------------------------------------|-----------------|----------------|
| Loc. of Calibration | At Laboratory                          | Std. Ref. Used  | OIML R 111 – 1 |
| Environment Cond.   | 20 ± 3°C, 40 to 60 % RH, 1000 ± 15 hPa | Cali.Method No. | NCQC/CM/M/063  |
| Actual Env. Cond.   | 22.3 °C 49.3 %RH 1000.5 hPa            |                 |                |

### Master Instruments Detail

| NCQC SYS.NO. | Nomenclature        | Make/ Model | Id / Serial No.               | Traceable To | Certificate No. | Valid Upto |
|--------------|---------------------|-------------|-------------------------------|--------------|-----------------|------------|
| 487          | Weight Box E1 Class | MMD / ===   | NCQC/M-253 /<br>MMD/110424/01 | CC-2346      | MMD/110424/01   | 10/04/2027 |

| Weights (Denomination)                 | Type             | Material        | Assume density   |
|----------------------------------------|------------------|-----------------|------------------|
| 1,2,2,5,10,20,20,50,100,200,200,500 mg | Wire             | Stainless steel | 7950 ± 140 kg/m³ |
| 1,2,2,5,10,20,20,50,100,200,200 g      | Cylindrical Inob | Stainless steel | 7950 ± 140 kg/m³ |

### Results of calibration

| Serial No. | Denomination (UUC) in g. | Mass Value in g. | Deviation in g. | Expanded Uncertainty in mg. (k =2) | Status |
|------------|--------------------------|------------------|-----------------|------------------------------------|--------|
| 1          | 0.001                    | 0.001002         | 0.000002        | 0.0022                             | E2     |
| 2          | 0.002                    | 0.001999         | -0.000001       | 0.0019                             | E2     |
| 3          | * 0.002                  | 0.001998         | -0.000002       | 0.0019                             | E2     |
| 4          | 0.005                    | 0.004997         | -0.000003       | 0.0016                             | E2     |
| 5          | 0.01                     | 0.010001         | 0.000001        | 0.0014                             | E2     |
| 6          | 0.02                     | 0.020003         | 0.000003        | 0.0017                             | E2     |
| 7          | * 0.02                   | 0.020003         | 0.000003        | 0.0017                             | E2     |
| 8          | 0.05                     | 0.050003         | 0.000003        | 0.0020                             | E2     |
| 9          | 0.1                      | 0.100002         | 0.000002        | 0.0020                             | E2     |
| 10         | 0.2                      | 0.200012         | 0.000012        | 0.0031                             | E2     |
| 11         | * 0.2                    | 0.200009         | 0.000009        | 0.0020                             | E2     |
| 12         | 0.5                      | 0.500008         | 0.000008        | 0.0020                             | E2     |

Traceable To National / International Standards.

|               |                                       |                        |                                       |
|---------------|---------------------------------------|------------------------|---------------------------------------|
| Calibrated By | Keyur Panchal<br>Calibration Engineer | Reviewed & Approved By | Keyur Panchal<br>Calibration Incharge |
|---------------|---------------------------------------|------------------------|---------------------------------------|

NCQC System Certificate No. 36

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### Name of Customer

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14/09/2026

Date of Receipt / Ref.No.: 13/09/2025

ULR No. : CC212825000004377F

Discipline : Mechanical Calibration  
Mass and Volume

### Details of Observation of Unit Under Calibration

Identification No. : NCQC/M-48

Serial No. : =====

Name of Instrument : Weight Box

### Results of calibration

| Sr. No. | Denomination (UUC) in g. | Mass Value in g. | Deviation in g. | Expanded Uncertainty in mg. (k =2) | Status |
|---------|--------------------------|------------------|-----------------|------------------------------------|--------|
| 13      | 1                        | 0.999993         | -0.000007       | 0.0040                             | E2     |
| 14      | 2                        | 1.999975         | -0.000025       | 0.0041                             | E2     |
| 15      | * 2                      | 1.999977         | -0.000023       | 0.0041                             | E2     |
| 16      | 5                        | 4.999964         | -0.000036       | 0.0060                             | E2     |
| 17      | 10                       | 9.999957         | -0.000043       | 0.0070                             | E2     |
| 18      | 20                       | 19.999949        | -0.000051       | 0.0090                             | E2     |
| 19      | * 20                     | 19.999969        | -0.000031       | 0.0090                             | E2     |
| 20      | 50                       | 49.99994         | -0.00006        | 0.0306                             | E2     |
| 21      | 100                      | 99.99996         | -0.00004        | 0.0382                             | E2     |
| 22      | 200                      | 199.99976        | -0.00024        | 0.0600                             | E2     |
| 23      | * 200                    | 199.99976        | -0.00024        | 0.0600                             | E2     |

### Remarks:

- Mass values of all the weights are conventional mass values and within the maximum errors permissible in "E2" Accuracy Class of weights as per OIML R 111-1.
- Average of three cycles readings are reported.
- Weights are calibrated for scientific or industrial purpose only.
- These results are obtained at the time of calibration.
- Thermal stabilization time : 24 hours.
- 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  $\pm 0.7^\circ\text{C}$  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.

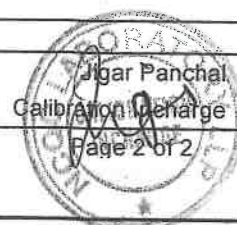
Calibrated By

Keyur Panchal  
Calibration Engineer

Reviewed & Approved By

Jigar Panchal  
Calibration Incharge

\*\*\* End of Calibration Certificate \*\*\*



NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"