



CC - 2346



# M.M.D. Kantawala

## CALIBRATION LABORATORY

### Calibration Certificate

<b>Name of Customer → NCQC Laboratory LLP</b> 4, Abhishree Corporate park, Nr.Swagat Bunglows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad – 380058, Gujarat, India.		Certificate No. MMD/200824/01 Date of Issue 21-08-2024 Date of Calibration 20-08-2024 # Due Date 19-08-2026
Date Of Receipt / Ref. No. → 16-08-2024		F/CAL/02/CR, Issue No.04 Page 1 of 1
<b>Discipline</b>	Mechanical – Weights	<b>ULR No.</b> CC234624000000456F
<b>Details of Observation of Unit Under Calibration (UUC)</b>		Identification No. : <b>NCQC/M-168, NCQC/M-169</b> Name of Instrument : <b>Weights</b>
<b>Weights</b>	20000g/1 Total = 01 pcs	50000g/1 Total = 01 pcs
<b>Type</b>	Cylindrical Knob Type	Cylindrical Handle Type
<b>Material</b>	Stainless Steel	
<b>Assumed Density</b>	7950 ± 140 kg/m <sup>3</sup>	
<b>Make</b>	Weightronics	<b>Visual Inspection</b> OK
<b>Location</b>	====	<b>Barometric Pressure</b> 1005 ± 15 hPa

### Results of Calibration

Id. No.	Denomination (Unit under calibration)	Mass value in g.	Deviation in g.	Uncertainty (±) in mg.	Class
NCQC/M-168	20000 g.	20000.000	0.000	8.64	E2
NCQC/M-169	50000 g.	50000.020	0.020	13.55	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.
- Thermal stabilization time 48 hours.
- These results are obtained at the time of calibration.
- Weights are calibrated for scientific or industrial purpose only.
- # Due date is given as suggested by customer.
- Any hand written corrections (except @ marked) or photocopies of the report invalidates this certificate.
- Environment condition during calibration: 24 ± 0.5°C, 40 to 60% Rh. (Change in temperature and relative humidity during the calibration were less than ± 0.3 °C per hour with a maximum of ± 0.5 °C per 12 hours; and ± 5% Rh per 4 hours respectively)
- Average temperature → 24.4°C, average pressure 1002 hPa and average humidity 47.2% Rh during calibration of instruments.
- The uncertainties are for a confidence probability of not less than 95.45% with coverage factor k = 2.
- Condition of instrument found satisfactory during receipt.
- Calibration is performed on the electronic weighing balance against standards mass by comparison method under controlled conditions (ABBA Method).
- All calibration performed by MMD Kantawala Calibration Laboratory. None of the results reported in this certificate are from external provider.
- Calibration results reported in this certificate relates only to the item calibrated.
- Data provided by customer: Identification No. and accuracy of UUC.
- Reference standard no.: OIML R 111 - 1 for calibration and classification of weights.
- Reference Calibration method no.: MMD/CM/02.
- Master equipment / reference standards are traceable to NABL accredited calibration laboratory.
- Corrected mass value is calculated based on ABBA method.

### Details of Master Instrument Used for Calibration

Nomenclature	Make / Model	Sr. No. / Id. No.	Class	Calibrated by	Calibration certificate no.	Calibration Due Date
Reference Weight Box	MMD / =====	MMD/CAL/01	E1	CC-2346	MMD/281123/01	28-11-2025
Reference Weight Box	MMD / =====	MMD/CAL/02	E1	CC-2854	TC/11051/2024	08-01-2027
Mass Comparator	Mettler Toledo / XPE64003LC	B541536029	II	Not applicable	Not applicable	=====

**TRUE COPY**

NCQC System Certificate No. 360

Valid up to 19-08-2026  
Reviewed *[Signature]*

Traceable To National / International Standards.	
Calibrated By <i>[Signature]</i> <b>Vilas Prajapati</b> Calibration Engineer	Reviewed and Approved By <i>[Signature]</i> <b>Technical Manager</b>



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