



CC - 2346

TRUE COPY**M.M.D. Kantawala**
CALIBRATION LABORATORY**Calibration Certificate**

Name of Customer → National Centre For Quality Calibration 4, Abhishree Corpoeate Park, Nr. Swagat Bunglow, BRTS, Iskcon-Ambli Road, Ahmedabad – 380058 Gujarat, India.		Certificate No. MMD/ 130124/01	Date of Issue 15-01-2024
Date Of Receipt / Ref. No. → 06-01-2024		Date of Calibration 13-01-2024	# Due Date 12-01-2026
Discipline	Mechanical – Weights	ULR No.	CC23462400000029F
Details of Observation of Unit Under Calibration (UUC)		Identification No.	: NCQC/M-52 & NCQC/M-53
		Name of Instrument	: Weights
Weights	5000g/, 10000g/1 Total = 02 pcs		
Type	Cylindrical Knob Type		
Material	Stainless Steel		
Assumed Density	7950 ± 140 kg/m ³		
Make	Weightronics	Visual Inspection	OK
Location	Mass Laboratory	Barometric Pressure	1005 ± 15 hPa

F/CAL/02/CR, Issue No.04
Page 1 of 1**Results of Calibration**

Id. No.	Denomination (Unit under calibration)	Mass value in g.	Deviation in g.	Uncertainty (±) in mg.	Class
NCQC/M-52	5000 g.	4999.995	-0.005	1.6	E2
NCQC/M-53	10000 g.	10000.007	0.007	3.9	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 1013 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 form 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/02	E1	CC-2854	TC/11051/2024	08-01-2027
Weighing Balance	AND / MC-10K	14903496	II	CC-2346	MMD/190923/07	18-09-2024

Traceable To National / International Standards.

Calibrated By Vilas Prajapati Calibration Engineer	Reviewed and Approved By Viral Mistry Technical Manager
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17/A, Mohan Estate, Opp. Anupam Cinema, Khokhara, Ahmedabad-380 008 (Gujarat) INDIA.

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NCQC System Certificate No. 145

NCQC

Valid up to 12-01-2026

Reviewed Joes