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Call	pration	Certificate

Name of Customer → National Centre For Quality Calibration 4, Abhishree Corporate park,

Nr. Swagat Bunglows BRTS, Iskcon-Ambli Road,

Ambli, Ahmedabad - 380058, Gujarat, India.

Certificate No. Date of Issue

MMD/140324/02 15-03-2024

Date of Calibration # Due Date

14-03-2024 13-03-2027

Date Of Receipt / Ref. No. → 11-03-2024

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Discipline Mechanical - Weights

Identification No.

NCQC/M-47

Details of Observation of Unit Under Calibration (UUC)

Serial No.

NCQC/M/W/E1/04

Weight Box

Weights

Name of Instrument 1mg to 500mg Total = 12 pcs

1g to 200g Total = 11 pcs

Cylindrical Knob Type

ULR No.

Type Wire Type Material Stainless steel

Assumed Density $7950 \pm 140 \text{ kg/m}^3$

Make Location Weightronics =====

Visual Inspection Barometric Pressure OK 1005 ± 15 hPa

Results of Calibration

		Denomination	1			
Sr. No.	(L	Jnit under calibration)	Mass value in g.	Deviation in g.	Uncertainty (±) in mg.	Class
1		0.001 g.	0.0010015	0.0000015	0.0008	E1
2		0.002 g.	0.0020007	0.0000007	0.0008	E1
3	*	0.002 g.	0.0019994	-0.0000006	0.0008	E1
4		0.005 g.	0.0049995	-0.0000005	0.0008	E1
5		0.01 g.	0.0100020	0.0000020	0.0008	E1
6		0.02 g.	0.0200021	0.0000021	0.0008	E1
7	×	0.02 g.	0.0200019	0.0000019	0.0008	E1
8		0.05 g.	0.0500014	0.0000014	0.0008	E1
9		0.1 g.	0.1000038	0.0000038	0.0008	E1
10		0.2 g.	0.2000050	0.0000050	0.0009	E1
11	*	0.2 g.	0.2000028	0.0000028	0.0009	E1
12		0.5 g.	0.5000058	0.0000058	0.0010	E1
13		1 g.	0.9999916	-0.0000084	0.0017	E1
14		2 g.	1.9999908	-0.0000092	0.0022	E1
15	*	2 g.	1.9999999	-0.0000001	0.0022	E1
16		5 g.	5.0000008	0.0000008	0.0032	E1
17		10 g.	9.999985	-0.000015	0.0053	E1
18		20 g.	19.999982	-0.000018	0.0061	E1
19	*	20 g.	19.999981	-0.000019	0.0061	E1
20		50 g.	49.999982	-0.000018	0.010	E1
21		100 g.	99.999969	-0.000031	0.017	E1
22		200 g.	199.99994	-0.00006	0.030	E1
23	*	200 g.	199.99995	-0.00005	0.030	E1

Traceable To National / International Standards.

vilas Vilas Prajapati

Calibration Engineer | Reviewed and Approved By

Viral Mistry **Technical Manager**

Calibrated By

17/A, Mohan Estate, Opp. Anupam Cinema, Khokhara, Ahmedabad-380 008 (Gujarat) INDIA.





Calibration C	Certificate
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Name of Customer → National Centre For Quality Calibration

4, Abhishree Corporate park,

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Discipline

Mechanical - Weights

ULR No.

CC234624000000133F

Details of Observation of Unit Under Calibration (UUC)

Identification No. Serial No.

NCQC/M-47 NCQC/M/W/E1/04

Name of Instrument

: Weight Box

Remarks:

- Mass values of all the weights are conventional mass values and within the maximum errors permissible in "E1" 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 \pm 0.3 °C per hour with a maximum of \pm 0.5 °C per 12 hours, and \pm 5% Rh per 4 hours respectively)
- Average temperature → 24.3°C, average pressure 1010.7 hPa and average humidity 49.1% 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	Weigh India / =====	MMD/CAL/06	E1	CC-2316	WI/Dec/23/003	08-12-2026
Mass Comparator	Sartorius / MCM6.7	36301047	ı	Not applicable	Not applicable	=====
Mass Comparator	Sartorius / MCM106	36301045	1	Not applicable	Not applicable	=====
Mass Comparator	Sartorius / MCM605	36301046	1	Not applicable	Not applicable	=====

Traceable To National / International Standards.

viias Vilas Prajapati

Calibration Engineer | Reviewed and Approved By

Calibrated By

17/A, Mohan Estate, Opp. Anupam Cinema, Khokhara, Ahmedabad-380 008 (Gujarat) INDIA. web: www.mmdkantawala.com e-mail: sales@mmdkantawala.com - calibrationlab@mmdkantawala.com Mo. 093742 42142 / 098795 658

all Viral Mistry Technical Manager