



NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058
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CC-2128

Visit our Web Site : www.calibrationlaboratory.in

TRUE COPY

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/190224/002
	Date of Issue	22/02/2024
	Date of Calibration	19/02/2024
	Suggested Due Date	18/02/2025
Date of Receipt / Ref.No.: 17/02/2024		

ULR No. : CC21282400000840F	Discipline : Mechanical Calibration Mass and Volume
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Details of Observation of Unit Under Calibration	Identification No. : =====
	Serial No. : =====
	Name of Instrument : Standard Weights

Range	20000 g - 2 Nos	Visual Inspection Accuracy	OK F1 Class
Make / Model	Weightronics/=====		
Location	=====		

Loc. of Calibration	At Laboratory	Std. Ref. Used	OIML R 111 – 1
Environment Cond.	25 ± 1 °C, 40 to 60% Rh, 1000 ± 15 hPa	Cali.Method No.	NCQC/CM/M/063
Actual Env. Cond.	25.0 °C 50.1 %Rh 1000.7 hPa		

Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
360	Weights (E2 Class)	Weightronics / =====	NCQC/M – 168	CC-2346	MMD/200822/04	19/08/2024
Weights (Denomination)		Type	Material	Assume density	Make	
20000 g - 2 Nos.		Cylindrical knob	Stainless steel	7950 ± 140 kg/m ³	Weightronics	

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
NCQC/M-98	20000	20000.030	0.030	15.3000	F1
NCQC/M-99	* 20000	20000.035	0.035	15.3000	F1

Traceable To National / International Standards.

Calibrated By

Himanshu Parbadiya
Calibration Engineer

Reviewed & Approved By



NCQC System Certificate No 273



Since 1998

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	Serial No. : =====
	Name of Instrument : Standard Weights

Remarks:

- Mass values of all the weights are conventional mass values and within the maximum errors permissible in "F1" 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 ± 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 Himanshu Parbadiya Calibration Engineer	Reviewed & Approved By Jigar Ranchal Calibration Incharge

