



Since 1998

NATIONAL CENTRE FOR QUALITY CALIBRATION

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

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Visit our Web Site : www.calibrationlaboratory.in



CC-2128

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

TRUE COPY

Name of Customer → National Centre For Quality Calibration 4, Abhishree Corporate Park, Near Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat.		Certificate No.	NCQC-M/040422/001		
		Date of Issue	05-04-2022		
		Date of Calibration	04-04-2022		
		Suggested Due Date	03-04-2023		
Date Of Receipt / Ref. No. → 04-04-2022		F/CR/M/063/01, Issue No.02 Page 1 of 2			
ULR – CC212822000001291F		Discipline → Mechanical Calibration, Mass & Volume			
Details of Observation of Unit Under Calibration		Identification No.	NCQC/M-161 to NCQC/M-164		
		Serial No.	=====		
		Name of Instrument	Weights		
Weights	500 g, 1000 g, 2000 g, 5000 g				
Type	Cylindrical Knob				
Material	Stainless Steel				
Assumed Density	7950 ± 140 kg/m ³				
Make	M.M.D	Visual Inspection	OK		
Location	Laboratory	Barometric Pressure	1000 ± 15 hPa		
Accuracy	F ₁ Class				
Results of Calibration					
Id. No.	Denomination (Unit under calibration)	Mass value in g	Deviation in g	Expanded Uncertainty (±)	Class
NCQC/M-161	500 g	500.0019	0.0019	0.2 mg	F1
NCQC/M-162	1000 g	999.9966	-0.0034	0.3 mg	F1
NCQC/M-163	2000 g	1999.9921	-0.0079	0.38 mg	F1
NCQC/M-164	5000 g	4999.985	-0.015	5.8 mg	F1
Remarks:					
<ul style="list-style-type: none"> → 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. → Any hand written corrections (except @ marked) or photocopies of the report invalidates this certificate. → Environment condition during calibration: 23 ± 0.5°C, 40 to 60% Rh. (Change in temperature and relative humidity during the calibration were less than ± 0.7 °C per hour and ± 10% Rh per 4 hours respectively) → The uncertainties are for a confidence probability of not less than 95% 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). → Location of performance of calibration → At Lab. → Reference standard no.: OIML R 111 – 1. → Reference Calibration method no.: NCQC/CM/M/063. → Corrected mass value is calculated based on ABBA method. 					

NCQC System Certificate No. 361

Traceable To National / International Standards.

Calibrated By

Jigar Panchal

Reviewed and Approved By

Nitesh Padhaniya

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



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Calibration Certificate

Name of Customer → National Centre For Quality Calibration 4, Abhishree Corporate Park, Near Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat.		Certificate No.	NCQC-M/040422/003
		Date of Issue	05-04-2022
		Date of Calibration	04-04-2022
		Suggested Due Date	03-04-2023
Date Of Receipt / Ref. No. → 04-04-2022		F/CR/M/063/01, Issue No.02 Page 2 of 2	
Details of Observation of Unit Under Calibration	Identification No.	NCQC/M-161 to NCQC/M-164	
	Serial No.	=====	
	Name of Instrument	Weights	
Details of master Instrument Used for Calibration			
Nomenclature	Make / Model	Id. No. / Sr. No.	Calibration Due Date
Weight (E ₁ Class)	M.M.D / =====	NCQC/M – 166	19-08-2022
Weight (E ₁ Class)	M.M.D / =====	NCQC/M – 167	19-08-2022
Weight (E ₁ Class)	Weightronics / ===	NCQC/M – 170	19-08-2022
Weights (E ₂ Class)	Weightronics / =====	NCQC/M – 52 & 53	07-01-2025
Digital Mass Comparator	Mettler Toledo / XPR2004SC	NCQC/M – 178 / B929968746	=====
Digital Mass Comparator	Mettler Toledo/XPR64003LD5C	NCQC/M – 179 / B931021511	=====
NCQC System Certificate No.	Certificate No. & Traceability of Master with National Standards		
357	→ Our master Weight is calibrated and traceable to National Standard through NABL accredited Laboratory M.M.D Kantawala Calibration Laboratory, Certificate No. MMD/200819/01, Date – 20-08-2019.		
358	→ Our master Weight is calibrated and traceable to National Standard through NABL accredited Laboratory M.M.D Kantawala Calibration Laboratory, Certificate No. MMD/200819/02, Date – 20-08-2019.		
359	→ Our master Weight is calibrated and traceable to National Standard through NABL accredited Laboratory M.M.D Kantawala Calibration Laboratory, Certificate No. MMD/200819/03, Date – 20-08-2019.		
145	→ Our master Weights are calibrated and traceable to National Standard through NABL accredited Laboratory Weightronics, Certificate No. WMCL/E/2022-01/1632, Date – 08-01-2022.		

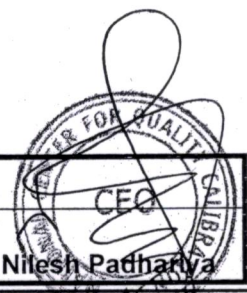
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Calibrated By

Jigar Panchal

Reviewed and Approved By

Nilesh Padharva



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