



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

MEDICAL ENGINEERING & SERVICES

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

ABHCON CROWN, AMBADI LANE, KOKKALA, THRISSUR, KERALA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2543

Issue Date: 11/01/2023

Valid Until: 10/01/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : MEDICAL ENGINEERING & SERVICES

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	MEDICAL ENGINEERING & SERVICES, ABHCON CROWN, AMBADI LANE, KOKKALA, THRISSUR, KERALA, INDIA	Page No	1 of 8
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	CC-2543		
Validity	11/01/2023 to 10/01/2025		

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-VOLUME	GLASS BURETTES	Using Digital Balance upto 60/200 mg readability 0.01/0.1 mg and distil water of known density as per ISO 4787	1 ml to 25 ml	0.91 ml
2	MECHANICAL-VOLUME	GLASS WARES, PIPETTES (GRADUATED / NON GRADUATED)	Using Digital Balance upto 60/200g readability 0.01/0.1 mg and distill water of known density as per ISO 4787	0.1 ml to 25 ml	0.91 ml
3	MECHANICAL-VOLUME	MEASURING CYLINDER / VOLUMETRIC FLASK / CONICAL FLASK / BEAKER	Using Digital Balance Up to 60/200g readability 0.01/0.1 mg and distill water of known density as per ISO 4787	1 ml to 100 ml	0.42 ml
4	MECHANICAL-VOLUME	Micropipette	Using Digital balance Upto 60/200 gm readability .01/0.1mg as per ISO 8655-6	10 µl to 100 µl	0.12µl



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5	MECHANICAL-VOLUME	Micropipette	Using Digital balance Upto 60/200 gm readability .01/0.1mg as per ISO 8655-6:	100 µl to 1000 µl	1.03 µl
6	MECHANICAL-VOLUME	Micropipette	Using Digital balance Upto 60/200 gm readability .01/0.1mg as per ISO 8655-6	1000 µl to 3000 µl	5.5 µl
7	MECHANICAL-VOLUME	Micropipette	Using Digital balance Upto 60/200 gm readability .01/0.1mg as per ISO 8655-6	3000 µl to 5000 µl	7.5 µl
8	MECHANICAL-WEIGHTS	weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	1 g	0.021mg
9	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	1 mg	0.012mg



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10	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	10 g	0.032mg
11	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	100 g	0.1mg
12	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	100 mg	0.016mg



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13	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	2 g	0.021mg
14	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	20 g	0.032mg
15	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	20 mg	0.019mg



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16	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	200 g	0.12mg
17	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	200 mg	0.016mg
18	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	5 g	0.021mg



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19	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	5 mg	0.012mg
20	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	50 g	0.032mg
21	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	50 mg	0.019mg



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22	MECHANICAL-WEIGHTS	Weight F1 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	500 mg	0.021mg
23	MECHANICAL-WEIGHTS	Weight F2 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	10 mg	0.019mg
24	MECHANICAL-WEIGHTS	Weight F2 class and coarser	USING E2 CLASS STANDARD WEIGHTS AND DIGITAL BALANCE UPTO 60/200G READABILITY 0.01/0.1 MG AS PER OIML R 111	2 mg	0.012mg



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Site Facility					
1	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Class I & Coarser) Readability: 0.1 mg	E2 Accuracy Class standard weights and procedure based on OIML R 76-1 guidelines.	60 g to 210 g	0.4mg
2	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Class I & Coarser) Readability: 0.01 mg	E1 Accuracy Class standard weights and procedure based on OIML R 76-1 guidelines.	0 g to 60 g	0.076mg
3	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Class II & Coarser) Readability: 1 mg	E2 Accuracy Class standard weights and procedure based on OIML R 76-1 guidelines.	200 g to 500 g	1.5mg

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.