National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BIOMEDICAL ENGINEERING COMPANY, NO.37, PUSHPANAGAR MAIN ROAD, NUNGAMBAKKAM, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10616 **Page No** 1 of 4

Validity 14/05/2022 to 13/05/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Time	AERB/RF-MED/SC-03
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	High contrast resolution	AERB/RF-MED/SC-03
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Low contrast resolution	AERB/RF-MED/SC-03
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	mA/mAs Linearity	AERB/RF-MED/SC-03
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Operating Potential	AERB/RF-MED/SC-03
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Dose Index CTDi	AERB/RF-MED/SC-03
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Leakage level from X-Ray tube housing	AERB/RF-MED/SC-03
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Profile width/ Slice Thickness	AERB/RF-MED/SC-03
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Protection Survey	AERB/RF-MED/SC-03
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Reproducibility of output (CoV)	AERB/RF-MED/SC-03
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Timer Linearity	AERB/RF-MED/SC-03
12	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Total Filtration	AERB/RF-MED/SC-03
13	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Operating potential	AERB/RF-MED/SC-03

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Certificate Number TC-10616 **Page No** 2 of 4

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14	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Consistency of radiation output (CoV)	AERB/RF-MED/SC-03
15	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Exposure Rate on Table Top	AERB/RF-MED/SC-03
16	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	High Contrast Resolution	AERB/RF-MED/SC-03
17	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Irradiation time (s)	AERB Test Protocol
18	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Low Contrast Resolution	AERB/RF-MED/SC-03
19	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Radiation leakage level at 1m from tube housing	AERB/RF-MED/SC-03
20	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Radiation Protection Survey	AERB/RF-MED/SC-03
21	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Timer Linearity	AERB/RF-MED/SC-03
22	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment - Cath Lab	Total Filtration	AERB/RF-MED/SC-03

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Certificate Number TC-10616 **Page No** 3 of 4

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23	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment- Cath Lab	mA/mAs loading stations	AERB/RF-MED/SC-03
24	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Central Beam Alignment	AERB/RF-MED/SC-03
25	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Congruence of radiation and optical field	AERB/RF-MED/SC-03
26	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Consistency of radiation output (CoV)	AERB/RF-MED/SC-03
27	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Effective focal spot measurement FFD= 60 cm	AERB/RF-MED/SC-03
28	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	mA/mAs loading stations	AERB/RF-MED/SC-03
29	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Operating potential	AERB/RF-MED/SC-03
30	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Radiation leakage level at 1m from tube housing	AERB/RF-MED/SC-03
31	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Radiation Protection Survey	AERB/RF-MED/SC-03
32	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipment (Fixed, Portable and Mobile)	Total Filtration	AERB/RF-MED/SC-03

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33	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray Equipmment (Fixed, Portable and Mobile)	Irradiation time	AERB/RF-MED/SC-03