National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BN MEDICAL SOLUTIONS, 232, BLOCK -A, RISHI NAGAR, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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)	Computed Tomography	Consistency of radiation output	AERB/RF-MED/SC-03
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	High contrast resolution	AERB/RF-MED/SC-03
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Linearity of mA/mAs Loading station	AERB/RF-MED/SC-03
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Linearity of Time loading station	AERB/RF-MED/SC-03
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Low contrast resolution	AERB/RF-MED/SC-03
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Operating Potential (kV)	AERB/RF-MED/SC-03
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Radiation dose test CTDi	AERB/RF-MED/SC-03
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Radiation leakage level from X-ray tube housing at 1m from the focus measured at Max kVp	AERB/RF-MED/SC-03
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Radiation Protection Survey of the Installation	AERB/RF-MED/SC-03
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Slice thickness (mm)	AERB/RF-MED/SC-03
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Time	AERB/RF-MED/SC-03
12	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography	Total Filtration	AERB/RF-MED/SC-03
13	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Timer linearity	AERB/RF-MED/SC-03

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14	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Irradiation Time (second)	AERB/RF-MED/SC-03
15	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Linearity of mA/mAs Loading station	AERB/RF-MED/SC-03
16	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Operating Potential (kV)	AERB/RF-MED/SC-03
17	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Radiation Leakage level from X-Ray tube housing at 1 m	AERB/RF-MED/SC-03
18	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Radiation Protection Survey of the installation	AERB/RF-MED/SC-03
19	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Total Filtration	AERB/RF-MED/SC-03
20	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Consistency of radiation output	AERB/RF-MED/SC-03
21	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Exposure at Table Top	AERB/RF-MED/SC-03
22	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	High Contrast Resolution	AERB/RF-MED/SC-03
23	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Irradiation Time(sec)	AERB/RF-MED/SC-03
24	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Linearity of mA/mAs loading Stations	AERB/RF-MED/SC-03

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25	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Low Contrast Resolution	AERB/RF-MED/SC-03
26	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Operating Potential kV	AERB/RF-MED/SC-03
27	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Radiation leakage from tube housing and Collimator	AERB/RF-MED/SC-03
28	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Total Filtration	AERB/RF-MED/SC-03
29	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Consistency of Radiation Output	AERB/RF-MED/SC-03
30	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Exposure Rate at Table top	AERB/RF-MED/SC-03
31	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	High Contrast resolution	AERB/RF-MED/SC-03
32	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Linearity of mA/mAs loading stations	AERB/RF-MED/SC-03
33	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Low Contrast resolution	AERB/RF-MED/SC-03

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34	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Operating Potential(kV)	AERB/RF-MED/SC-03
35	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional radiology	Radiation Leakage Level from Tube housing and Collimator	AERB/RF-MED/SC-03
36	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional radiology	Radiation Protection Survey of the installation	AERB/RF-MED/SC-03
37	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional radiology	Total filtration	AERB/RF-MED/SC-03
38	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Central Beam Alignment	AERB/RF-MED/SC-03
39	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Congruence of radiation and optical field	AERB/RF-MED/SC-03
40	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Consistency of radiation output	AERB/RF-MED/SC-03
41	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Effective focal spot measurement	AERB/RF-MED/SC-03
42	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-Ray and Fluoroscopy	Exposure Rate at Table Top	AERB/RF-MED/SC-03

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43	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	High Contrast resolution	AERB/RF-MED/SC-03
44	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Irradiation Time	AERB/RF-MED/SC-03
45	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Irradiation Time (sec.)	AERB/RF-MED/SC-03
46	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Linearity of mA/mAs loading stations	AERB/RF-MED/SC-03
47	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Low Contrast Resolution	AERB/RF-MED/SC-03
48	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Operating Potential(kV)	AERB/RF-MED/SC-03
49	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Radiation leakage level at 1m from the housing and Collimator	AERB/RF-MED/SC-03
50	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and fluoroscopy	Radiation Protection Survey of the installation	AERB/RF-MED/SC-03
51	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Total Filtration	AERB/RF-MED/SC-03

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52	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Operating Potential kV	AERB/RF-MED/SC-03
53	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Consistency of radiation output	AERB/RF-MED/SC-03
54	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Half Value Layer (Total Filtration)	AERB/RF-MED/SC-03
55	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Irradiation Time	AERB/RF-MED/SC-03
56	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
57	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Performance of Imaging Phantom	AERB/RF-MED/SC-03
58	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Radiation Leakage level at 1mm from tube housing collimeter	AERB/RF-MED/SC-03
59	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Consistency of Radiation Output (Coefficient of Variation)	AERB/RF-MED/SC-03
60	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Irradiation Time (second)	AERB/RF-MED/SC-03
61	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	mA/mAs Linearity Test	AERB/RF-MED/SC-03
62	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Operating Potential(kV)	AERB/RF-MED/SC-03
63	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Radiation leakage level from X-Ray tube housing at 1m from the focus	AERB/RF-MED/SC-03

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64	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Timer Linearity	AERB/RF-MED/SC-03
65	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental(OPG and Intra oral)	Total Filtration	AERB/RF-MED/SC-03
66	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (fixed)	Radiation Protection Survey of the installation	AERB/RF-MED/SC-03
67	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Central Beam Alignment	AERB/RF-MED/SC-03
68	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Congruence of radiation and optical field	AERB/RF-MED/SC-03
69	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Consistency of radiation Output	AERB/RF-MED/SC-03
70	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Effective focal spot measurement FFD= 60 cm	AERB/RF-MED/SC-03
71	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Irradiation Time (Sec.)	AERB/RF-MED/SC-03
72	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Linearity of mA/mAs Loading station	AERB/RF-MED/SC-03
73	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Operating Potential (kV)	AERB/RF-MED/SC-03
74	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Radiation Leakage Level at 1m from tube housing and collimator	AERB/RF-MED/SC-03

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75	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray (Fixed, Portable , Mobile)	Total Filtration	AERB/RF-MED/SC-03