National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	AUTOCAL SYSTEMS, 83/526, SANT TUKARAM NAGAR, PIMPRI, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11417	**Page No**	1 of 9
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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)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT))	Radiation Protection Survey	AERB/RF-MED/SC-03
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Consistency of Radiation Output/Reproducibility of Output (CoV)	AERB/RF-MED/SC-03:
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	mA/mAs Linearity/ Timer Linearity (CoL)	AERB/RF-MED/SC-03
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	High contrast Resolution	AERB/RF-MED/SC-03
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Irradiation time	AERB/RF-MED/SC-03
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Low Contrast Resolution	AERB/RF-MED/SC-03
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Operational Potential	AERB/RF-MED/SC-03
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Radiation Dose Test [Weighted Computed Tomography Dose Index (CTDIW) for Head and Body Phantom]	AERB/RF-MED/SC-03
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Radiation Leakage Levels From X-ray Tube Housing	AERB/RF-MED/SC-03
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Radiation Protection Survey	AERB/RF-MED/SC-03
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Machine	Total Filtration	AERB/RF-MED/SC-03
12	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	mA/mAs Linearity of Loading Station/ Timer Linearity (CoL)	AERB/RF-MED/SC-03
13	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	Consistency of Output/ Reproducibility of Output (CoV)	AERB/RF-MED/SC-03

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14	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	Dose Index	AERB/RF-MED/SC-03
15	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	High Contrast Resolution	AERB/RF-MED/SC-03
16	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	Low Contrast Resolution	AERB/RF-MED/SC-03
17	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	Operating Potential	AERB/RF-MED/SC-03
18	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT)	Radiation Leakage Levels from X-ray Tube Housing & Collimator	AERB/RF-MED/SC-03
19	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT))	mA/mAs Linearityof Loading Station/ Timer Linearity (CoL)	AERB/RF-MED/SC-03
20	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT))	Time	AERB/RF-MED/SC-03
21	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	DENTAL MACHINE (Cone Beam Computed Tomography (CBCT))	Total Filtration (TF	AERB/RF-MED/SC-03
22	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Exposure Rate at Table Top	AERB/RF-MED/SC-03
23	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	High Contrast Resolution	AERB/RF-MED/SC-03
24	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Low contrast resolution	AERB/RF-MED/SC-03

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25	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Operating Potential (kV)	AERB/RF-MED/SC-03
26	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Output Consistency/Reproducibility of Output (CoV)	AERB/RF-MED/SC-03
27	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Radiation Leakage Levels from X-ray Tube Housing & Collimator	AERB/RF-MED/SC-03
28	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C Arm & O Arm	Total Filtration (TF)	AERB/RF-MED/SC-03
29	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-Arm & O-Arm	mA/mAs Linearity	AERB/RF-MED/SC-03
30	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-Arm & O-Arm	Irradiation Time(sec.)	AERB/RF-MED/SC-03
31	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Consistency of radiation output (CoV)	AERB/RF-MED/SC-03
32	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Irradiation Time(sec.)	AERB/RF-MED/SC-03
33	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Operating Potential (kV)	AERB/RF-MED/SC-03

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34	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Radiation leakage level at 1m from Collimator	AERB/RF-MED/SC-03
35	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Radiation Protection Survey	AERB/RF-MED/SC-03
36	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Cath lab	Total Filtration (TF)	AERB/RF-MED/SC-03
37	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Exposure Rate at Tabletop	AERB/RF-MED/SC-03
38	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	High Contrast Resolution	AERB/RF-MED/SC-03
39	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Linearity of mA/mAs loading Stations (CoL)	AERB/RF-MED/SC-03
40	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Low Contrast Resolution	AERB/RF-MED/SC-03
41	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Radiation leakage level at 1m from tube housing	AERB/RF-MED/SC-03
42	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Central Beam Alignment	AERB/RF-MED/SC-03

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43	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Congruence of Radiation and Optical Field	AERB/RF-MED/SC-03
44	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Consistency of radiation output (CoV)	AERB/RF-MED/SC-03
45	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Effective focal spot measurement	AERB/RF-MED/SC-03
46	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Exposure Rate at Tabletop	AERB/RF-MED/SC-03
47	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	High Contrast Resolution	AERB/RF-MED/SC-03
48	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Irradiation Time	AERB/RF-MED/SC-03
49	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Linearity of mA/mAs Loading Station	AERB/RF-MED/SC-03
50	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Linearity of mA/mAs loading Stations	AERB/RF-MED/SC-03
51	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Low Contrast Resolution	AERB/RF-MED/SC-03

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52	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Operating Potential (kV)	AERB/RF-MED/SC-03
53	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Radiation leakage level at 1m from Collimator	AERB/RF-MED/SC-03
54	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Radiation leakage level at 1m from tube housing	AERB/RF-MED/SC-03
55	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Radiation Protection Survey	AERB/RF-MED/SC-03
56	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	RADIOGRAPHY & FLUOROSCOPY Equipment	Total Filtration (TF)	AERB/RF-MED/SC-03
57	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Linearity of tube current / Linearity of mA/mAs Loading Station (CoL)	AERB/RF-MED/SC-03
58	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Operating Potential (kV)	AERB/RF/MED/SC-03
59	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Performance of imaging phantom- Fibers	AERB/RF-MED/SC-03
60	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Performance of imaging phantom- Masses	AERB/RF-MED/SC-03
61	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Performance of imaging phantom- Micro Calcification	AERB/RF-MED/SC-03
62	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Radiation Leakage Levels from Collimator	AERB/RF-MED/SC-03

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63	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Radiation Leakage Levels from X-ray Tube Housing	AERB/RF-MED/SC-03
64	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Radiation Protection Survey	AERB/RF-MED/SC-03
65	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Reproducibility of output (CoV)	AERB/RF-MED/SC-03
66	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Time	AERB/RF-MED/SC-03
67	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Total Filtration (TF)	AERB/RF-MED/SC-03
68	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	mA/mAs Linearity of Loading Station/ Timer Linearity (CoL)	AERB/RF-MED/SC-03
69	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Consistency of output /Reproducibility of Output (CoV)	AERB/RF-MED/SC-03
70	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Irradiation time (second)	AERB/RF-MED/SC-03
71	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Operating Potential	AERB/RF-MED/SC-03
72	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Radiation Leakage Levels from X-ray Tube Collimator	AERB/RF-MED/SC-03
73	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Radiation Leakage Levels from X-ray Tube Housing	AERB/RF-MED/SC-03
74	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Radiation Protection Survey	AERB/RF-MED/SC-03

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75	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DENTAL X-RAY Equipment (Intra Oral Peri-apical radiograph (IOPA), Ortho Pan tomography (OPG), Dental Hand Held)	Total Filtration (TF)	AERB/RF-MED/SC-03
76	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DEXA (Dual energy X-ray Absorptiometry)	Radiation Leakage Levels from X-ray Collimator	AERB/RF-MED/SC-03
77	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DEXA (Dual energy X-ray Absorptiometry)	Radiation Leakage Levels from X-ray Tube Housing	AERB/RF-MED/SC-03
78	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DEXA (Dual energy X-ray Absorptiometry)	Radiation Protection Survey	AERB/RF-MED/SC-03
79	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Operating Potential (kV)	AERB/RF-MED/SC-03
80	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Central Beam Alignment	AERB/RF-MED/SC-03
81	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Congruence of radiation and optical field	AERB/RF-MED/SC-03
82	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Consistency of Radiation Output (Coefficient of Variation(CoV))	AERB/RF-MED/SC-03
83	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Effective Focal Spot Measurement	AERB/RF-MED/SC-03
84	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Irradiation time (sec)	AERB/RF-MED/SC-03
85	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Linearity of mA/mAs Loading Station	AERB/RF-MED/SC-03

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86	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	mA/mAs Linearity of Loading Station /Timer linearity (CoL)	AERB/RF-MED/SC-03
87	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Radiation Leakage Levels from X-ray Collimator	AERB/RF-MED/SC-03
88	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Radiation Leakage Levels from X-ray Tube Housing	AERB/RF-MED/SC-03
89	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Radiation Protection Survey	AERB/RF-MED/SC-03
90	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X RAY Equipment (FIXED, PORTABLE, MOBILE)	Total Filtration (TF)	AERB/RF-MED/SC-03