Manufacturer's Recommendations for Alternate Dental CBCT QA Program Planmeca: ProMax 3D Max, 3D, 3Ds, and 3D (Mid): Table 3A Requirements for Dental CBCT

Item	Required Test or Procedure	Frequency	Planmeca Substitute Test or Procedure	Standard
1	Equipment Function:	Daily	Device Tool QA DIN6868	Must Pass Computerized test
	Indicators, Mechanical		(Appendix A)	and
	& other Safety Checks		, 11	Systems must work properly
2	Film Processing QC Testing	Daily	None – Not Applicable	None – Not Applicable
3	CT Number for Water	Daily	CBCT Alternative QA Test	HU Range = -150 to $+150$
			(Water Phantom) for Planmeca	
			(Appendix B)	OR
			Planmeca Quality Test	Acryl HU
			Procedure – CT Number for	Tolerance: -200.00 – 200.00
			Water (Acryl)	10101anee. 200.00 200.00
			Pages: 1 to 7	
			(Appendix G)	
4	Field Uniformity	Daily	Device Tool QA DIN6868	Homogeneity > 5
			Pages: 7 & 20;	
			(Appendix A)	OR
			DIN Standard 6868-161:2012-3	Acryl Uniformity
			Section 4.3.7.1,	Tolerance: < 50.00
			Page: 14	1 0101411001
			(Appendix E)	
			Diameter Constitut Total	
			Planmeca Quality Test Procedure – CT Number for	
			Water (Acryl)	
			Pages: 1 to 7	
			(Appendix G)	
		11		
5	Laser Film Printer QC Low Contrast	Weekly	None – Not Applicable	None – Not Applicable
6	Resolution	Initial & Annually	QA test to be performed using appropriate Low Contrast	To be established by Medical Physicist *
	Resolution		phantom. Low contrast test	1 Hysicist
			phantom is not supplied by	
			Planmeca.	
	High Contrast	Initial & Annually	QA Qualification Testing	The 10% MTF value
7	Resolution		Procedure	(MTF10) should be above
			Pages: 1-3	1.00 lp/mm
	Naisa	Initial 0- A 11-	(Appendix C)	Neiga values (CTD) 1 11
8	Noise	Initial & Annually	QA Qualification Testing Procedure	Noise values (STD) should be < 500 HU for acryl and
0			Procedure Pages: 1-3	aluminum
			(Appendix C)	arammum
	Scan Localization	Initial & Annually	CBCT Alternative QA Test for	+/- 5 mm
9	Light Accuracy		Planmeca	
			(Appendix F)	
1.0	Medical Physicist's	Initial & Annually	See N.J.A.C. 7:28-22.10(a)	N.J.A.C. 7:28-22.10(a)
10	QC Survey	T:4:-1 0- A 11	C N I A C 7.29 22 10()	N.I.A.C. 7.00.22.4(.)7
11	Medical Physicist's Quality Assurance	Initial & Annually	See N.J.A.C. 7:28-22.10(a)	N.J.A.C. 7:28-22.4(a)7
11	Program Review			
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^{*}Where no performance standard is identified or expressed by the manufacture, the medical physicist shall establish the standard for the facility's CBCT unit with justification