

Manufacturer's Recommendations for Alternate Dental CBCT QA Program

**Genoray: Model Papaya 3D– Papaya Plus 3D**

**Table 3A** Computed Tomography QC Requirements

<b>Item</b>	<b>Required Test or Procedure</b>	<b>Frequency</b>	<b>Substitute Test or Procedure</b>	<b>Standard</b>
1	Equipment Function “Indicators, Mechanical & other Safety Checks	Daily	User Manual Chapter 1 Introduction of Product Section 1.2-1.6 Pages 6-11  (Appendix B)	Must work properly.
2	Film Processing QC Testing	Daily	None, not applicable	None, not applicable
3	CT Number for Water	Daily	Quality Control Test Procedure Section 3.3 Noise & CT Number of Acrylic Pages 8-9  (Appendix A)	Average Value 40 ~ 200 Std Value 40 ~ 100
4	Field Uniformity	Daily	Quality Control Test Procedure Section 3.3 Noise & CT Number of Acrylic Pages 8-9  (Appendix A)	Average Value 40 ~ 200 Std Value 40 ~ 100
5	Laser Film Printer QC	Weekly	None, not applicable	None, not applicable
6	Low Contrast Resolution	Initial & Annually	Quality Control Test Procedure Section 3.5 Spatial Resolution for High and Low Contrast Object Pages 12-14  (Appendix A)	Low Contrast Resolution 6 mm
7	High Contrast Resolution	Initial & Annually	Quality Control Test Procedure Section 3.5 Spatial Resolution for High and Low Contrast Object Pages 12-14  (Appendix A)	Spatial Resolution 0.6 mm
8	Noise	Initial & Annually	Quality Control Test Procedure Section 3.3 Noise & CT Number of Acrylic Pages 8-9  (Appendix A)	Average Value 40 ~ 200 Std Value 40 ~ 100
9	Scan Localization Light Accuracy	Initial & Annually	Technical Manual-Appendix Section 4- Alignment and Calibration Panoramic Laser Alignment Section 4.6 Step 6 Pages 22  (Appendix C)	Install 'Laser Alignment jig' on the Ball phantom and adjust laser position, refer to Figure 4.10.  Align the three lasers to laser alignment jig, according to the drawings.  Must align with laser alignment jig.

10	Medical Physicist's QC Survey	Initial & Annually	Same as alternate Dental CBCT	NJAC 7:28-22.10
11	Medical Physicist's Quality Assurance Program Review	Initial & Annually	Same as alternate Dental CBC	NJAC 7:28-22.4(a)7