### Manufacturer’s Recommendations for Alternate Dental CBCT QA Program  
**Soredex : Model Scanora 3Dx (Palodex Group)**  
**Table 3A Requirements for Dental CBCT**

<table>
<thead>
<tr>
<th>Item</th>
<th>Required Test or Procedure</th>
<th>Frequency</th>
<th>Substitute Test or Procedure</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Equipment Function “Indicators, Mechanical &amp; other Safety Checks</td>
<td>Daily</td>
<td>User manual Section 7.1 &amp; 7.2, Checking that the unit operates correctly Page 70 and 71 (Appendix A) User Manual Section 2.1 Main parts and controls Page 6-13 (Appendix B)</td>
<td>Unit must work properly</td>
</tr>
<tr>
<td>2</td>
<td>Film Processing QC Testing</td>
<td>Daily</td>
<td>None, not applicable</td>
<td>None, not applicable</td>
</tr>
</tbody>
</table>
| 3    | CT Number for Water | Daily | 3D Constancy Check Procedure, Section 1. Automatic 3D QC program (Appendix D) | Pass Scanora QC phantom computerized software test:  
The test result and acceptance limit is displayed by the device.  
Minimum PMMA ROI: - 95 |
| 4    | Field Uniformity | Daily | 3D Constancy Check Procedure Section 1. Automatic 3D QC program (Appendix D) | Pass Scanora QC phantom computerized software test:  
Uniformity Maximum Value: 200  
The test result and acceptance limit is displayed by the device. |
| 5    | Laser Film Printer QC | Weekly | None, not applicable | None, not applicable |
| 6    | Low Contrast Resolution | Initial & Annually | 3D Constancy Check Procedure Section 1. Automatic 3D QC program (Appendix D) | The automatic 3D QC test result is displayed by the device. Grey values are measured from the volume for PMMA, PTFE and Air.  
Minimum PMMA ROI value: -95  
Minimum PTFE ROI value: 400  
Maximum AIR ROI value: -500 |
| 7    | High Contrast Resolution | Initial & Annually | 3D Constancy Check Procedure Section 3. High Contrast spatial resolution (Appendix D) | Constancy test phantom  
Visually identifiable spatial resolution must be at least 1LP/mm. |
| 8    | Noise | Initial & Annually | 3D Constancy Check Procedure Section 1. Automatic 3D QC program (Appendix D) | Pass Scanora QC phantom software test:  
Maximum PMMA Std. Dev.: 125  
Maximum PTFE Std. Dev.: 145  
Maximum Air Std. Dev.: 100  
The test result and acceptance limit is displayed by the device. |
| 9    | Scan Localization Light Accuracy | Initial & Annually | Installation and Set-up Instructions. Sections 5. Unit calibration and adjustment Page 73 and 74 (Appendix E) | If the 3D geometric calibration is successful all the calibration values that appear on the image will be Passed. |
| 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 CBCT | NJAC 7:28-22.4(a)7 |