

## ***DATA FILE SHEET***

**Table (3-1) data file sheet (QC. TT) for testing generator & x-ray tube.**

<b>Test</b>	<b>Done (y) Not done (no)</b>	<b>Accepted (y) Not accepted (no)</b>	<b>Comment</b>
Total radiographic system check for image quality	N	-	Test tool not available
Constancy of radiation output using digital KV meter	Y	Y	Result within normal limits
Assessment of kilo-voltage applied to the x-ray tube using digital meter	Y	Y	Result within normal limits
Accuracy of exposure timer using a spinning top	N	-	Test tool not available
Accuracy of exposure timer using digital timer meter	Y	Y	Result within normal limits
Assessment of focal spot size using focal spot test tool	Y	N	Variation is out of normal limits
Half value layer using test tool	Y	Y	Result within normal limit

**Table (3-2) data file sheet QCB,G for testing beam limiting devices and grids.**

<b>Test</b>	<b>Done (y) Not done (n)</b>	<b>Accepted (y) Not accepted (n)</b>	<b>Comment</b>
Accuracy of collimation of light beam diaphragm and x-ray beam alignment using test tool	Y	Y	Variation is within normal limits
Accuracy of collimation when non-adjustable cones and diaphragm	N	N	Test tool not available
Visual inspection of the grid and bucky assembly	Y	Y	The movement in the stand butter bukey is good in status
Assessment of grid alignment using test tool	Y	Y	Within normal limit
Assessment of the uniformity of grid using movement	Y	N	Variation in density is noted in the under couch

**Table (3-3) data file sheet (QCD) for testing dark room cassettes and intensifying screens**

Test	Done (y) Not done (n)	Accepted (y) Not accepted (n)	Comment
Visual inspection, identification and cleaning of cassette	Y	Y	All cassette are clean except one but not marked
Assessment of the screen film contact using wire mesh	Y	N	Two of screen in use showed poor contact within mount film
Assessment of cassette tightening ness	Y	Y	All cassette appear with good light tight except one
Assessment of relative speed of intensifying screens for replacement	N	-	Test tool not available
Visual inspection of the dark room	Y	N	Light leakage from different sites is noted
Check for integrity and compatibility	Y	N	Safe lights gives a noted film foggy

**Table (3-4) data file sheet (QCP) for testing processor and illuminators**

<b>Test</b>	<b>Done (y) Not done (n)</b>	<b>Accepted (y) Not accepted (n)</b>	<b>Comment</b>
Measurement of the developer temperature	Y	N	No temperature control
Sensitometric monitoring	N	N	No automatic processor available
Measurement of the replenishment rate of the developer and fixer	N	-	No automatic processor available
Visual inspection and cleaning of film illuminators	Y	N	All viewing box need cleaning and maintenance
Comparison of light intensity of the illuminators	N	-	Test tool is not available

**Table (3-5) shows the tests were done to the x-ray tube in Elgadida department.**

<b>Test</b>	<b>Accepted Y Not Accepted N</b>
1. KVP & time Accuracy	Y
2. Relative MA & MAS linearity	Y
3. MAS consistency	Y
4. KVP & time reproducibility	Y
5. MAS	Y
6. HVL	Y
7. (1) Collimator (2) (a) perpendicularity (b) Coinciding	Y Y Y
8. Focal spot size Large focal Small focal	N N

**Table (3-6) show the tests were done to the dark room in Elgadida department.**

<b>Test</b>	<b>Accepted Y Not Accepted N</b>
1. Intensifying screen Speed (10x12)	N
2. Cassettes Kodak Medical (8x10) Prestige (12x15)	N
3. Processing	N
4. Light leakage	N
5. Safe light	N
6. Ventilation	Y
7. Movement grid	N
8. Stationary grid	Not available

