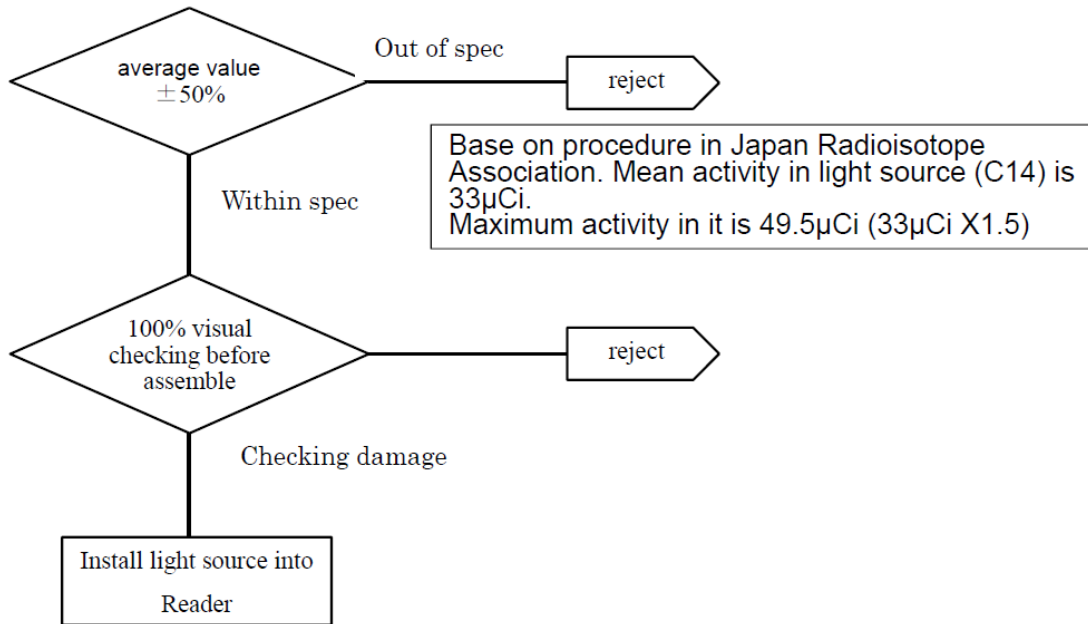


SOURCE TESTING IN PANASONIC MANUFACTURING

1. Measure the amount of luminescence for all of light source (C14).
2. Figure out the average of measured value in same lot light source (C14).
3. Check measured value of each light source if it is within average value $\pm 50\%$.



CONDITIONS OF USE

The TLD readers designed for indoor use in a controlled environment with an operating temperature range of 0 to 40°C (preferably, however, use at the ambient temperature of 15 to 25°C) and relative humidity of 20% to 70%. The environment should be clean and dust free. The C14 source is integrated internally in the TLD reader and is not accessible to operators. It can only be accessed by authorized, highly trained and qualified service technicians. There is very little external environmental insults possible due to the design of the readers.

TESTING

In addition to the above, wipe testing is conducted to check for leakage and contamination. Each Panasonic TLD is fully characterized and tested as a fully integrated assembly prior to shipping over its full specified operating range and functionality. Included in our standard operational testing is a leakage and contamination test where radioactive levels are measured and must not exceed 0.2kBq.