



The Gastec detector tubes comply with not only JIS K 0804 stipulated by the Japanese Industrial Standard Institution, but also many international standards. The Safety Equipment Institute (SEI) certification program for detector tubes is well known as one of the most strict certification programs based on regulations issued by the American National Standards Institute/ International Safety Equipment Association (ANSI/ISEA) . This program succeeded and enhanced the discontinued certification program established by the National Institute for Occupational Safety and Health (NIOSH) of the USA. As of October 2004, detector tubes subject to SEI certification cover 21 gases. And at the present time Gastec has acquired the SEI certificates for all of these 21 kinds of detector tubes. Among other international standards on detector tubes are BS 5343 issued by the British Standard Institution, DIN 33882 issued by Deutsches Institut für Normung or the German Standard Institution, and "Performance Standard for Detector Tubes" issued by the International Union of Pure and Applied Chemistry (IUPAC). All these standards regulate the properties of detector tubes for measuring pollutants in the working areas. JIS K 0804, further extends the regulations on detector tubes that are designed to measure substances in high concentrations (% level) for process control. Table 2 shows a brief comparison of international standards with JIS K 0804.

