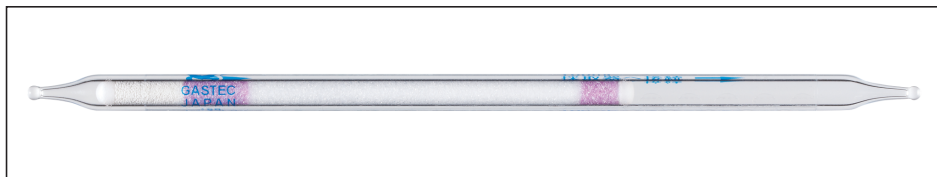


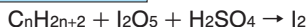
Qualitative Analysis Tube for Fire Investigation No.108








Performance

Number of pump strokes	n = 1
Sampling time	45 seconds per 1 pump stroke (100mL)
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Substances & expected concentration

Substance	Colour change
Kerosene	 White → Brown (inlet) and Yellowish brown
	 White → Brown (inlet) and Pale brown
	 Yellowish brown part of low concentration and pale brown part of high concentration turns to Pale pink.
Gasoline	 White → Brown
	 White → Yellow (inlet) and Brown

Possible coexisting substances and their interferences

Substance	Interference gas only
Diesel fuel	Same colour change of Kerosene
Lubricating oil	No discolouration. However, if the oil contains Kerosene, the tube will show colour change similar to Kerosene.
Cooking oil	No discolouration
Toluene	Brown
Xylene	Brown
Ethyl Benzene	Brown
Plastics product	No discolouration before and after burning