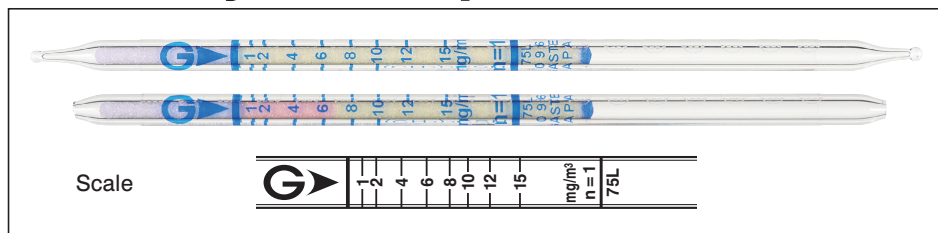


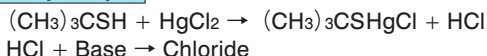
tert-Butyl Mercaptan (CH₃)₃CSH No.75L



Performance

Measuring range	0.5 to 1 mg/m ³	1 to 15 mg/m ³	15 to 30 mg/m ³
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2
Sampling time	3 min	1.5 min	45 sec
Detecting limit :	0.1 mg/m ³ (2 pump strokes)		
Colour change :	Yellow → Pink		
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 80 % correction not used		
Relative standard deviation :	10 % (for 1 to 4 mg/m ³), 5 % (for 4 to 15 mg/m ³)		
Tube quantity and number of tests per box :	10 tubes for 10 tests		
Shelf life :	24 months (in the refrigerator)		

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide		+	} Pink
Other mercaptans		+	
Dimethyl disulphide		No	No

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
2-Mercaptoethanol	Factor : 0.5	1	0.5 to 7.5 ppm

Calibration gas generation

Diffusion tube method

Special note

tert-Butyl mercaptan is used as an odorant in fuel gases for warning of their leakage.