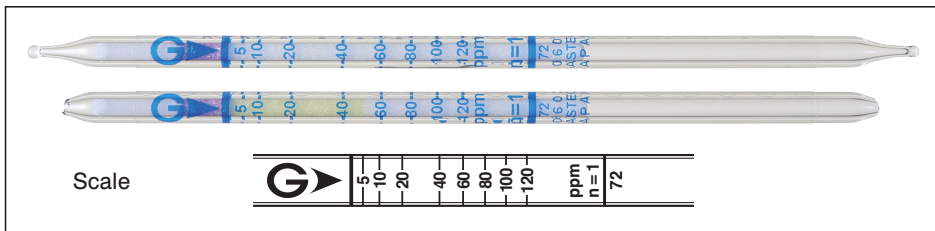


# Ethyl Mercaptan C<sub>2</sub>H<sub>5</sub>SH

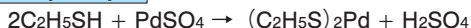
No.72



## Performance

Measuring range	0.5 to 5 ppm	5 to 120 ppm
Number of pump strokes	2 to 10 (200 to 1000 mL)	1 (100 mL)
Correction factor	1/2 to 1/10	1
Sampling time	4 to 20 min	2 min
Detecting limit :	0.2 ppm (10 pump strokes)	
Colour change :	White → Yellow	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 5 to 40 ppm), 5 % (for 40 to 120 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	36 months	

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≧ 2000 ppm	+	} Pale brown (whole layer)
Carbon monoxide	≧ 2000 ppm	+	
Ethylene	≧ 2000 ppm	+	
Hydrogen sulphide	≧ 500 ppm	+	No
Mercaptans		+	Yellow

Up to 500 ppm of hydrogen sulphide is trapped in the pretreatment (white) layer.

## Calibration gas generation

Diffusion tube method