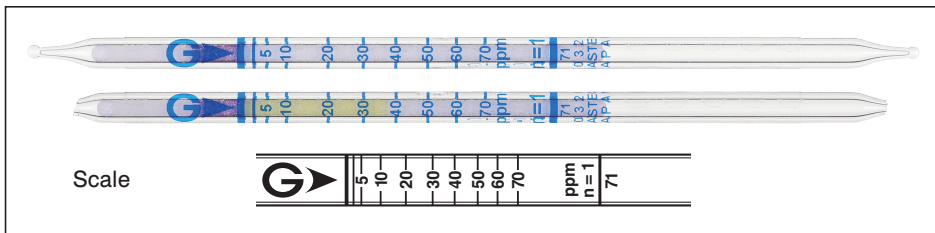


Methyl Mercaptan CH₃SH

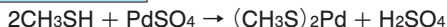
No.71



Performance The minimum scale value (2.5ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.25 to 2.5 ppm	(2.5) to 70 ppm	70 to 140 ppm
Number of pump strokes	2 to 10 (200 to 1000 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2 to 1/10	1	2
Sampling time	3 to 15 min	1.5 min	45 sec
Detecting limit :	0.1 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 2.5 to 20 ppm) , 5 % (for 20 to 70 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	+ (Two layers)	} Pale brown (whole layer)
Carbon monoxide	≥ 2000 ppm	+ (Two layers)	
Ethylene	≥ 2000 ppm	+ (Two layers)	
Hydrogen sulphide	≥ 500 ppm	No	No
Mercaptans		+	Yellow

Hydrogen sulphide is trapped in the pretreatment (white) layer.

Calibration gas generation

Permeation tube method