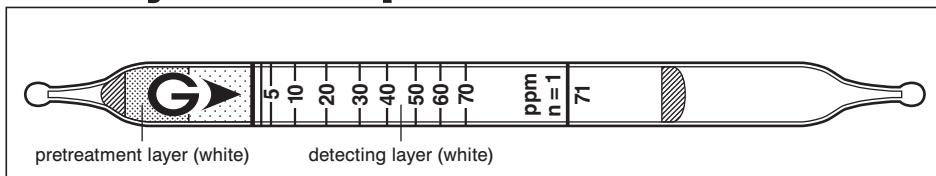


Methyl Mercaptan CH_3SH

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)

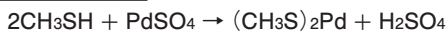
Colour change : White → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 2.5 to 20 ppm), 5 % (for 20 to 70 ppm)

Shelf life : 3 years

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