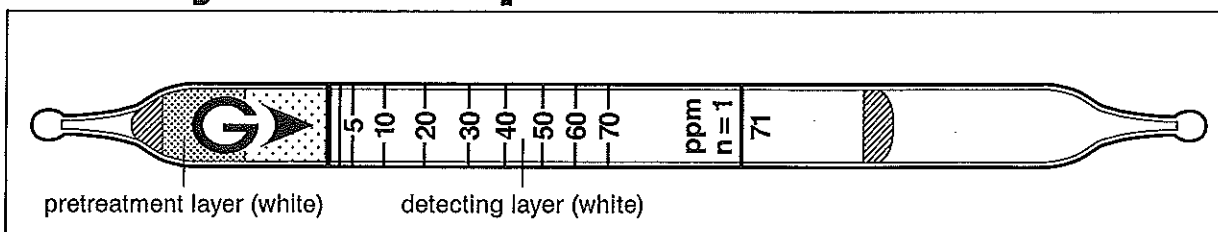


Methyl Mercaptan CH₃SH

No.71



Performance

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)

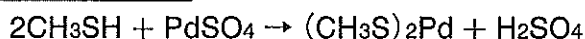
Colour change : White → Yellow

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 (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≤ 2000 ppm	No (two layers)	} Pale brown (whole layer)
Carbon monoxide	≤ 2000 ppm	No (two layers)	
Ethylene	≤ 2000 ppm	No (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