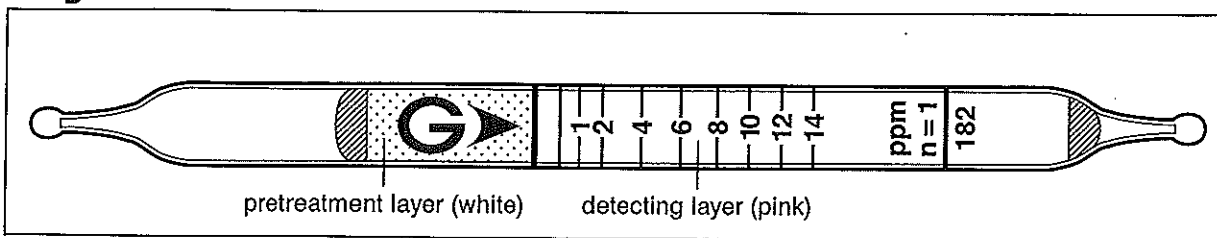


Pyridine C₅H₅N

No.182



Performance

Measuring range	0.2 to 0.5 ppm	(0.5) to 14 ppm	14 to 35 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.5
Sampling time	1 min	30 sec	30 sec

Detecting limit : 0.1 ppm (2 pump strokes)

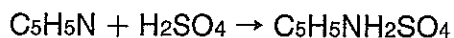
Colour change : Pink → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.5 to 4 ppm), 5 % (for 4 to 14 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
Aliphatic amines		+	} Yellow
Ammonia		+	
Aromatic amines		+	
Hydrazine		+	

Water vapour is trapped in the pretreatment (white) layer.

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
4-Methyl pyridine	Factor : 0.75	1	0.38 to 10.5 ppm

Calibration gas generation

Diffusion tube method