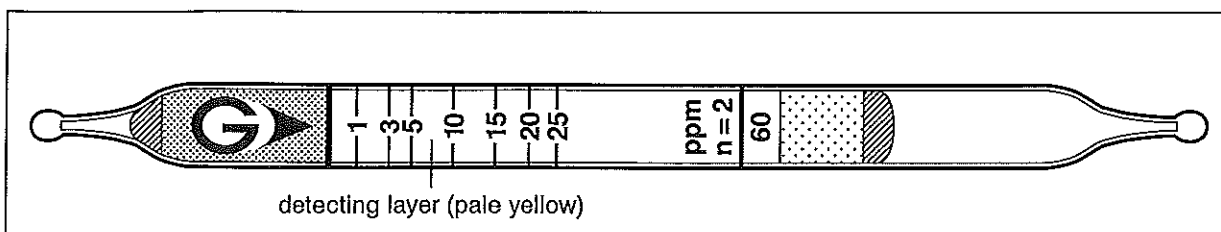


Phenol C₆H₅OH

No.60



Performance

Measuring range	0.4 to 1 ppm	1 to 25 ppm	25 to 62.5 ppm	62.5 to 187 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.5	7.5
Sampling time	6 min	3 min	1.5 min	45 sec

Detecting limit : 0.1 ppm (4 pump strokes)

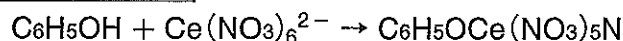
Colour change : Pale yellow → Gray

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 15 % (for 1 to 5 ppm), 10 % (for 5 to 25 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Cresol		+	Gray
Amines	≥ 2000 ppm	} Unclear demarcation	} White
Ammonia	≥ 2000 ppm		

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Naphthalene	by scale	2	0.5 to 14 ppm

Calibration gas generation

Diffusion tube method