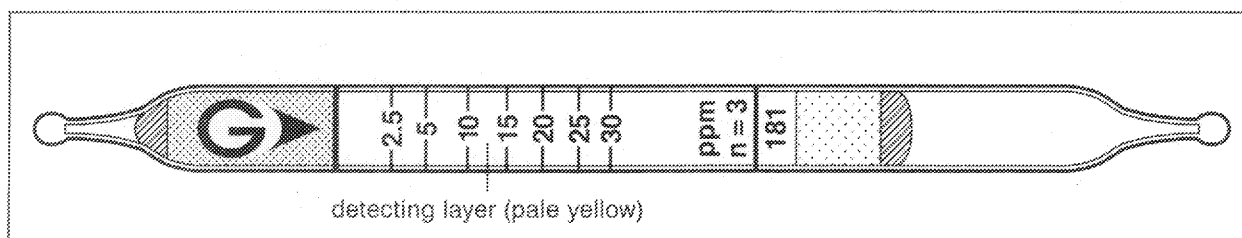


Aniline $C_6H_5NH_2$

No. 181



Performance

Measuring range	1.25 to 2.5 ppm	2.5 to 30 ppm	30 to 60 ppm
Number of pump strokes	5	3	2
Correction factor	1/2	1	2
Sampling time	15 min	9 min	6 min

Detecting limit : 0.25 ppm (5 pump strokes)

Colour change : Pale yellow → Pale green

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 2.5 to 10 ppm), 5 % (for 10 to 30 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
Aromatic amines		+	Pale green
Ammonia	≧ 1/10	+	} No
Other amines	≧ 1/10	+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
N,N-Dimethylaniline	Factor : 1.0	3	2.5 to 30 ppm
N-Methylaniline	Factor : 1.4	2	3.5 to 42 ppm
o-Toluidine	Factor : 2.0	2	5 to 60 ppm

Calibration gas generation

Diffusion tube method