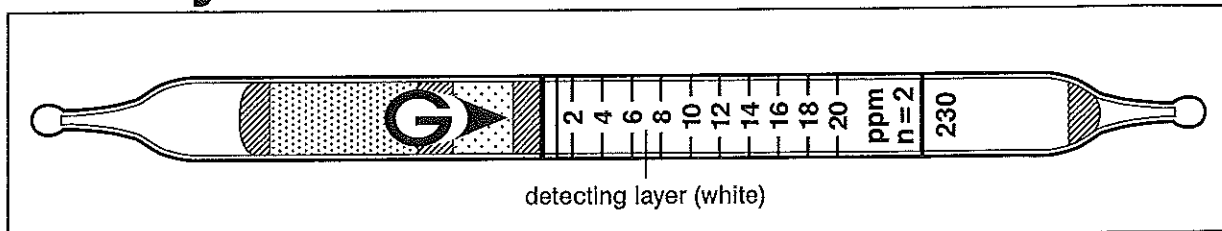


Methyl iodide CH₃I

No.230



Performance

Measuring range	0.5 to 1 ppm	1 to 20 ppm	20 to 46 ppm	46 to 108 ppm
Number of pump strokes	4	2	1	1/2
Correction factor	0.5	1	2.3	5.4
Sampling time	6 min	3 min	1.5 min	45 sec

Detecting limit : 0.2 ppm (4 pump strokes)

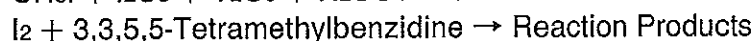
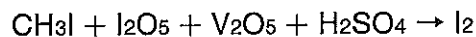
Colour change : White → Gray

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 5 % (for 1 to 20 ppm)

Shelf life : 2 year (in the refrigerator)

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Chlorine	≧ 1/1	+ (Two layers)	Brown (turns pale blue after a few minutes)
Nitrogen dioxide	≧ 1/1	- (Two layers)	Pink
Methyl bromide	≧ 30 ppm	No	} No
Dichloromethane	≧ 50 ppm	No	
Carbon dioxide	≧ 1 %	No	

Calibration gas generation

Diffusion tube method