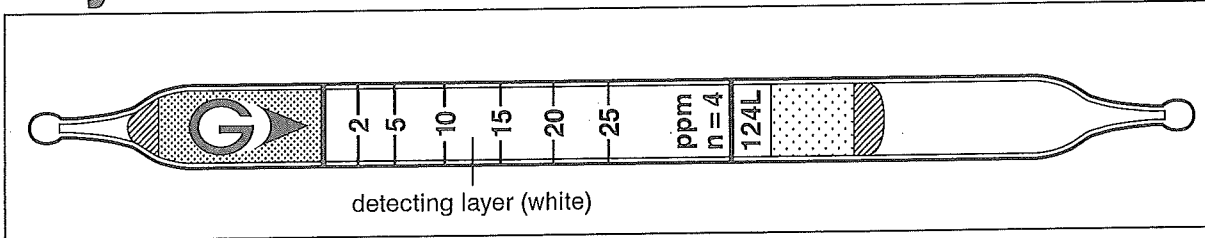


Styrene $C_6H_5CH:CH_2$

No.124L



Performance

Measuring range	2 to 25 ppm	25 to 100 ppm
Number of pump strokes	4 (400 ml)	1 (100 ml)
Correction factor	1	4
Sampling time	2 min	30 sec

Detecting limit : 0.5 ppm (4 pump strokes)

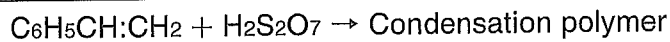
Colour change : White → Yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 2 to 5 ppm), 5 % (for 5 to 25 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
Butadiene	≧ 5 ppm	} + (Bleaching)	Dark brown
Alcohols	≧ 10 times		} No
Aldehydes	≧ 10 times		
Esters	≧ 10 times		
Ketones	≧ 10 times		

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Divinyl benzene	Factor : 0.6	3	1 to 15 ppm

Calibration gas generation

Diffusion tube method

Special note

A very low level concentration (0.2 to 4 ppm) of styrene can be measured by a Gastec special detector tube (No.124S) that is available with the Gastec Odorant Analysis System. For detail, see page 3-60.