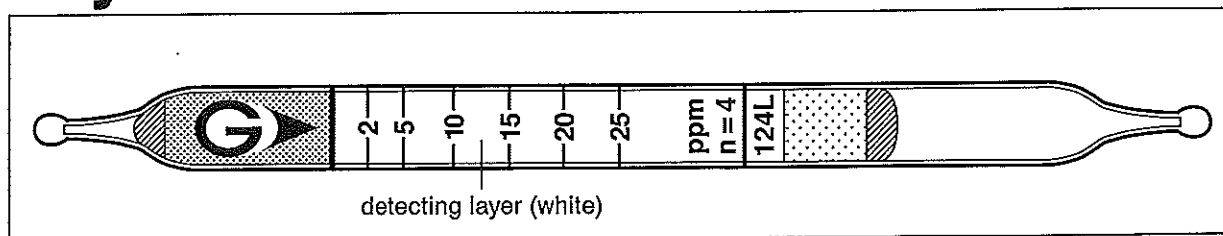


# Styrene $C_6H_5CH:CH_2$

No.124L

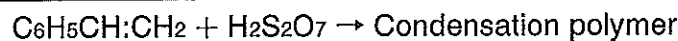


## Performance

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	$\geq 5$ ppm	} + (Bleaching)	Dark brown
Alcohols	$\geq 10$ times		} No
Aldehydes	$\geq 10$ times		
Esters	$\geq 10$ times		
Ketones	$\geq 10$ 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.