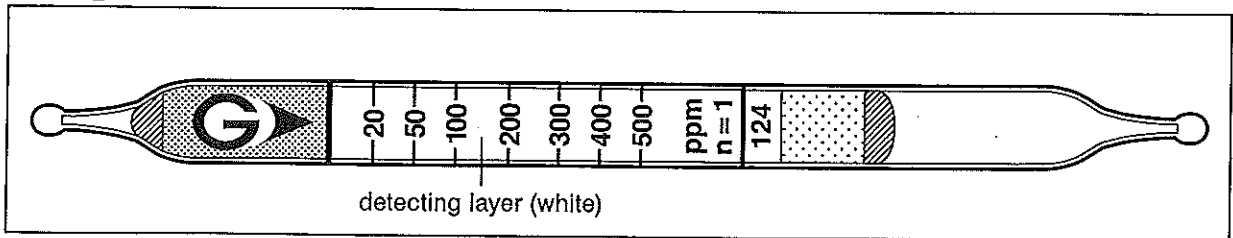


# Styrene $C_6H_5CH:CH_2$

No.124



## Performance

Measuring range	10 to 20 ppm	20 to 500 ppm	500 to 1500 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	3
Sampling time	1 min	30 sec	20 sec

Detecting limit : 1 ppm (2 pump strokes)

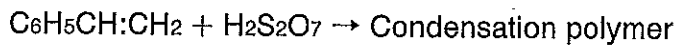
Colour change : White → Yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 15 % (for 20 to 100 ppm), 10 % (for 100 to 500 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
Alcohols	$\geq 0.5 \%$	} + (Bleaching)	} No
Esters	$\geq 0.5 \%$		
Ketones	$\geq 0.5 \%$		

## Calibration gas generation

Diffusion tube method