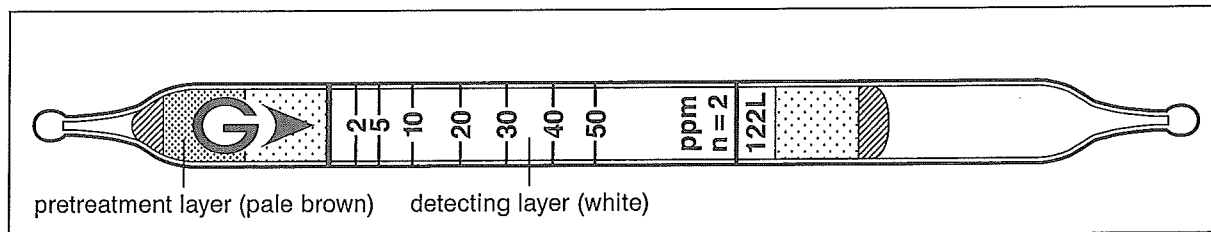


# Toluene C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>

No.122L

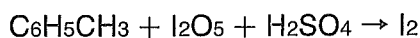


## Performance

Measuring range	1 to 2 ppm	2 to 50 ppm	50 to 100 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Correction factor	1/2	1	2
Sampling time	6 min	3 min	1.5 min

Detecting limit : 0.5 ppm (4 pump strokes)  
 Colour change : White → Brown  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 2 to 10 ppm), 5 % (for 10 to 50 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 hydrocarbons		+	Brown
Acetylene, Etylen, Hexane		No	} No
Alcohols, Esters, Ketones		No	

Water vapour is trapped in the pretreatment (pale brown) layer.

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Cumene	by scale	2	2 to 100 ppm
Diethyl benzene	by scale	4	2 to 150 ppm
Ethyl benzene	by scale	2	1 to 70 ppm
Xylene	Factor : 2	1, 2, or 4	2 to 200 ppm

## Calibration gas generation

Diffusion tube method