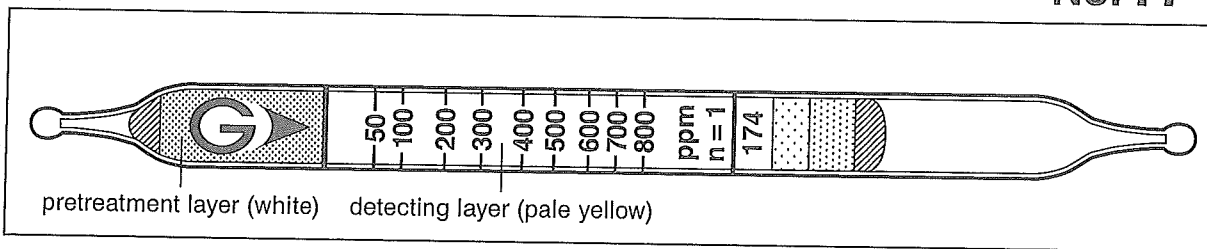


1,3-Butadiene CH₂:CHCH:CH₂

No.174



Performance

Measuring range	50 to 800 ppm
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	1.5 min

Detecting limit : 10 ppm (1 pump stroke)

Colour change : Pale yellow → White

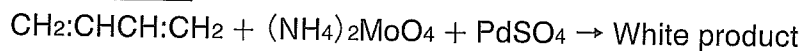
Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 50 to 200 ppm),

5 % (for 200 to 800 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
Hydrogen	≥ 20 %	+	Blue (whole layer)
Acetylene	≥ 10 ppm	+	} Blue
Carbon monoxide	≥ 10 ppm	+	
Ethylene	≥ 1 ppm	+	
Hydrogen sulphide	≥ 10 ppm	+	Black
Styrene		+	Pale blue
Ammonia		+	} White
Hydrogen cyanide		+	

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,3-Pentadiene	Factor : 5.0	1	250 to 4000 ppm

Calibration gas generation

Static gas dilution method