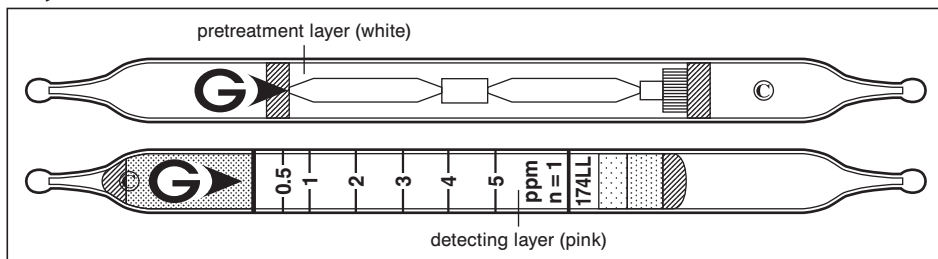


# 1,3-Butadiene $\text{CH}_2:\text{CHCH}:\text{CH}_2$

No.174LL



## Performance

When used, these tubes are to be connected.

Measuring range	0.5 to 5 ppm
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	3 min
Detecting limit :	0.1 ppm (1 pump stroke)
Colour change :	Pink → Pale yellow
Corrections for temperature & humidity :	Unnecessary
Relative standard deviation :	10 % (for 0.5 to 1 ppm), 5 % (for 1 to 5 ppm)
Shelf life :	3 years (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia	≧ 50 ppm	No	No
Carbon monoxide		No	
Carbon dioxide		No	
Hydrogen sulphide		No	
Hydrogen cyanide		No	
Acetylene		+	White
Olefins		+	Pale yellow

## Calibration gas generation

Permeation tube method