

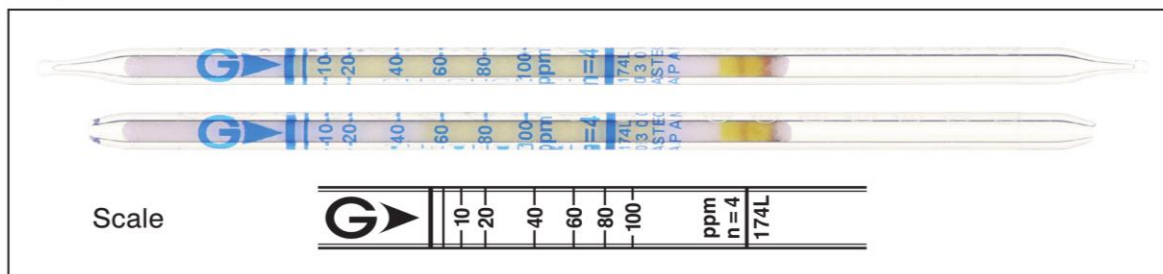


## 1,3-Butadiene CH<sub>2</sub>:CHCH:CH<sub>2</sub>

Part No.:174L

~~1,3-Butadiene~~ CH<sub>2</sub>:CHCH:CH<sub>2</sub>

No.174L



**Performance** The minimum scale value (5ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	2.5 to 5 ppm	(5) to 100 ppm
Number of pump strokes	8 (800 mL)	4 (400 mL)
Correction factor	1/2	1
Sampling time	24 min	12 min
Detecting limit :	0.5 ppm (8 pump strokes)	
Colour change :	Pale yellow → White	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used	
	Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 5 to 20 ppm) , 5 % (for 20 to 100 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	36 months	

### Reaction principle



### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Butane, Carbon monoxide		+	} Blue (whole layer)
Hydrogen, Pentane		+	
Butylene, Ethylene		+	} Blue
Propylene		+	
Hydrogen sulphide		+	Black
Hydrogen chloride		+	Pink
Acetylene		+	} White
Hydrogen cyanide		+	

### Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,3-Pentadiene	Factor : 8.5	4	42.5 to 850 ppm

### Calibration gas generation

Permeation tube method