

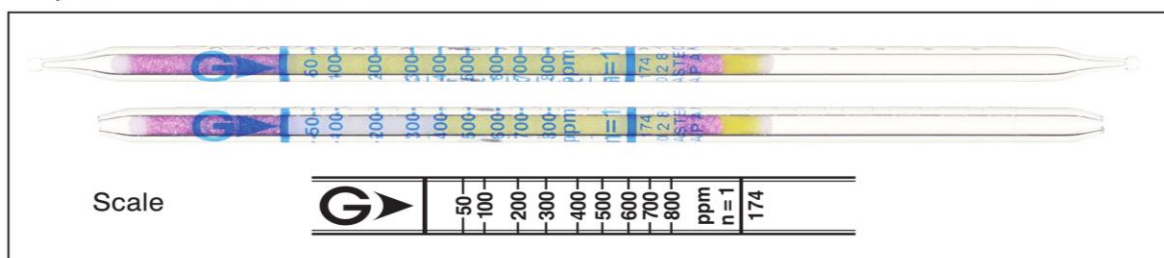


1,3-Butadiene CH₂:CHCH:CH₂

Part No.:174

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
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 50 to 200 ppm), 5 % (for 200 to 800 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
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