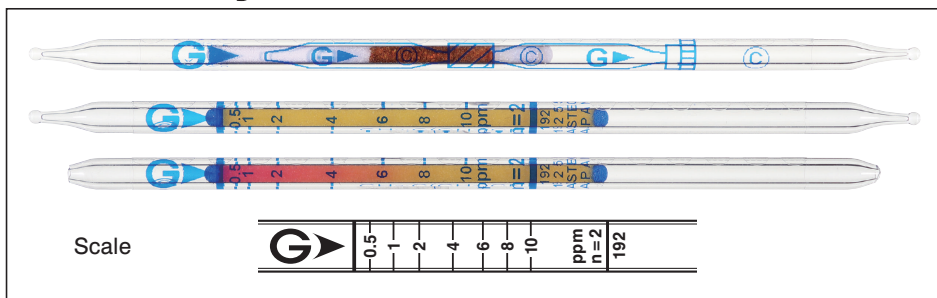


Methacrylonitrile $\text{CH}_2\text{:C}(\text{CH}_3)\text{CN}$

No. 192



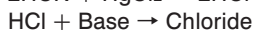
Performance

When used, these tubes are to be connected. See page 2-3.

Measuring range	0.2 to 0.5 ppm	0.5 to 10 ppm	10 to 32 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Correction factor	0.4	1	3.2
Sampling time	8 min	4 min	2 min

Detecting limit :	0.1 ppm (4 pump strokes)
Colour change :	Yellow → Red
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 0.5 to 10 ppm)
Tube quantity and number of tests per box :	10 tubes for 5 tests
Shelf life :	36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetone cyanohydrin		+	} Red
Nitriles ($\geq \text{C}_3$)		+	
Alcohols, Esters, Ketones	≥ 20 ppm	-	} No
Aromatic hydrocarbons	≥ 20 ppm	-	

Chlorine, hydrogen chloride, hydrogen cyanide, nitric acid and water vapour are trapped in the white layer of the pretreatment tube.

Calibration gas generation

Diffusion tube method