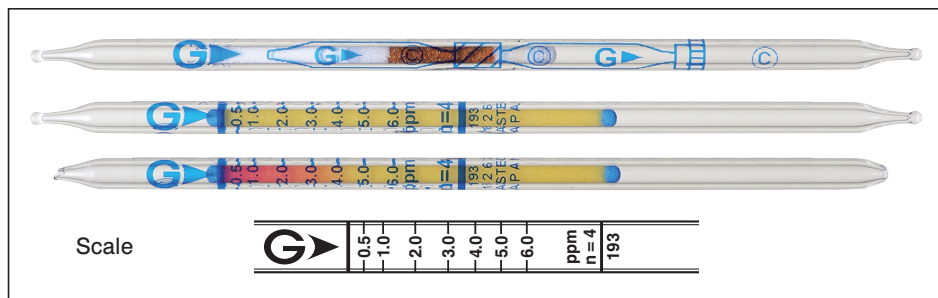


2-Pentenitrile $\text{CH}_3\text{CH}_2\text{CH}:\text{CHCN}$

No. 193

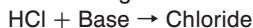


Performance

When used, these tubes are to be connected.

Measuring range	0.5 to 6.0 ppm	6.0 to 15.0 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)
Correction factor	1	2.5
Sampling time	8 min	4 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 used	
	Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 0.5 to 2 ppm), 5 % (for 2 to 6 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
Hydrogen chloride, Hydrogen cyanide		No	No
Acetone cyanohydrin		+	Red
Alcohols, Esters, Ketones	≥ 20 ppm	—	No
Nitriles ($\geq \text{C}_3$)		+	Red
Aromatic hydrocarbons	≥ 20 ppm	—	No

Dehumidifying agent removes humidity and acid gases.

Calibration gas generation

Diffusion tube method