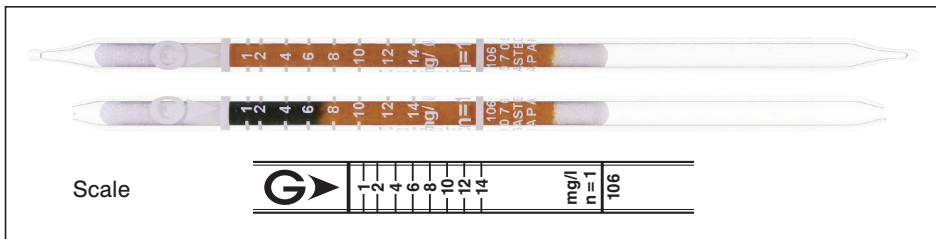


Petroleum Naphtha

No. 106



Performance

This detector tube is calibrated with n-Hexane.

Measuring range	0.5 to 1 mg/L	1 to 14 mg/L	14 to 28 mg/L
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit :	0.1 mg/L (2 pump strokes)
Colour change :	Yellowish brown → Greenish brown
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 1 to 4 mg/L), 5 % (for 4 to 14 mg/L)
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
Acetylene	≧ 3 %	+	} Blackish brown (whole layer)
Propane	≧ 0.2 %	+	
Hydrogen sulphide	≧ 500 ppm	+	Blackish brown
Organic solvents		+	Greenish brown
Sulphur dioxide	≧ 500 ppm	+	Green

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Petroleum benzene	Factor : 2	1/2	14 to 28 mg/L
	Factor : 1	1	1 to 14 mg/L
	Factor : 0.5	2	0.5 to 1 mg/L
Petroleum ether	Factor : 2	1/2	14 to 28 mg/L
	Factor : 1	1	1 to 14 mg/L
	Factor : 0.5	2	0.5 to 1 mg/L

Calibration gas generation

Diffusion tube method