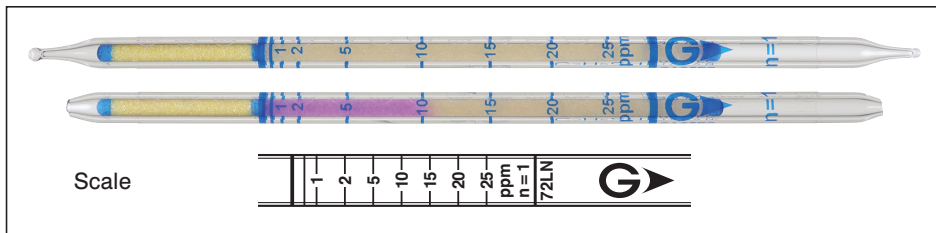


Ethyl Mercaptan C_2H_5SH

No.72LN



Performance The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.15 to 0.5 ppm	(0.5) to 25 ppm	25 to 57.5 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.3	1	2.3
Sampling time	2 min	1 min	30 sec
Detecting limit :	0.06 ppm (2 pump strokes)		
Colour change :	Yellow → Pink		
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 10 ppm) , 5 % (for 10 to 25 ppm)		
Tube quantity and number of tests per box :	10 tubes for 10 tests		
Shelf life :	24 months		

Reaction principle

Ethyl mercaptan reacts with the reagent to form intermediate material which stains indicator pink.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≤ 40 ppm	No	Pink (≥ 3.5 ppm)
Ethylene		No	No
Carbon monoxide		No	No
Hydrogen sulphide	≥ 0.15 ppm	+	Pink (≥ 0.15 ppm)
Mercaptans	≥ 0.15 ppm	+	Pink (≥ 0.15 ppm)
Sulphur dioxide	≥ 1.0 ppm	+	Pale pink (≥ 1.0 ppm)
Nitrogen dioxide	≥ 6.0 ppm	—	Pink (≥ 5.0 ppm)

Calibration gas generation

Diffusion tube method