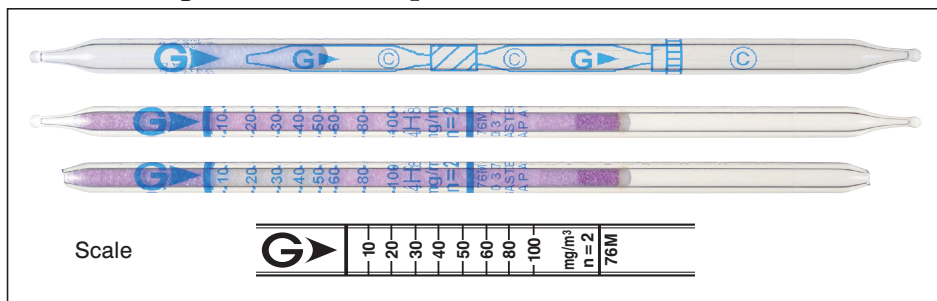


# Tetrahydrothiophene C<sub>4</sub>H<sub>8</sub>S

No.76M

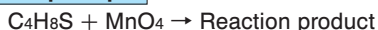


## Performance

When used, these tubes are to be connected.

Measuring range	10 to 100 mg/m <sup>3</sup>
Number of pump strokes	2 (200 mL)
Correction factor	1
Sampling time	2 min
Detecting limit :	2 mg/m <sup>3</sup> (2 pump strokes)
Colour change :	Pink → Pale yellow
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 10 to 30 mg/m <sup>3</sup> ), 5 % (for 30 to 100 mg/m <sup>3</sup> )
Tube quantity and number of tests per box :	10 tubes for 5 tests
Shelf life :	24 months

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
1-Butene	≧ 1000 ppm	No	} Pale pink (whole layer)
tert-Butyl mercaptan	≧ 10 mg/m <sup>3</sup>	No	
Ethyl mercaptan	≧ 2 ppm	No	
Ethylene	≧ 2000 ppm	No	
Propylene	≧ 1000 ppm	No	
Methanol	≧ 1000 ppm	No	
Hydrogen sulphide	≧ 80 ppm	No	

## Calibration gas generation

Diffusion tube method