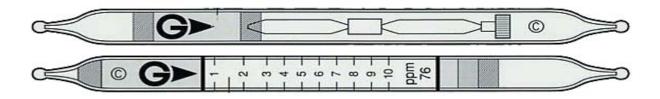
Tetrahydrothiophene C4H8S



Performance

Measuring Range	1 to 10 ppm		
Number of Pump Stroke	4		
Correction Factor	1		
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	0.25 ppm (n=4)		
Colour Change	Pink ─► Pale Yellow		
Reaction Formula	Tetrahydrothiophene reduces permanganate to form pale yellowish reaction product. C₄H ₈ S + MnO₄ (Pink) → Yellow Reaction Product		
Coefficient of Variation	10% (for 1 to 3 ppm), 5% (for 3 to 10 ppm)		
Shelf Life	2 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Ethyl mercaptan	<u>≤</u> 1ppm	No	Discolour whole layer to pale pink
Ethylene	<u>≤</u> 1000 ppm	No	Discolour whole layer to pale pink
Propylene	<u>≤</u> 500 ppm	No	Discolour whole layer to pale pink
Methanol	<u>≤</u> 300 ppm	No	Discolour whole layer to pale pink
Hydrogen sulphide	<u>≤</u> 30 ppm	No	Discolour whole layer to pale pink

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
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