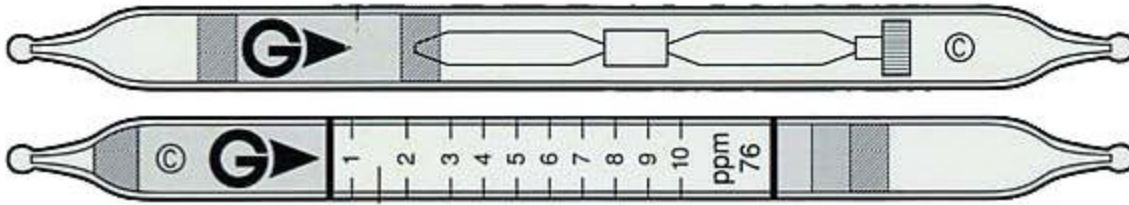


Tetrahydrothiophene C₄Humidity Correction₈S**NO.76****Performance**

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)
Color Change	Pink → Pale Yellow
Reaction Formula	Tetrahydrothiophene reduces permanganate to form pale yellowish reaction product. C ₄ Humidity Correction ₈ S + MnO ₄ (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 (NOTE)

Substance	Concentration	Interference	Change color by itself
Ethyl mercaptan	1 ppm	No	Discolor whole layer to pale pink
Ethylene	1000 ppm	No	Discolor whole layer to pale pink
Propylene	500 ppm	No	Discolor whole layer to pale pink
Methanol	300 ppm	No	Discolor whole layer to pale pink
Hydrogen sulfide	30 ppm	No	Discolor whole layer to pale pink

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
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Policy Statement and Legal Notices

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