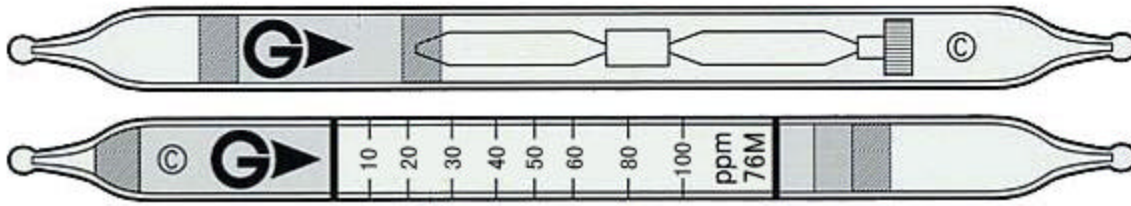


TetrahydrothiopheneC₄Humidity
Correction₈S**NO.76M****Performance**

Measuring Range	10 to 100 mg/m ³
Number of Pump Stroke	2
Correction Factor	1
Sampling Time	1.5 minutes per pump stroke
Detecting Limit	2 mg/m ³ (n=2)
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 10 to 30 mg/m ³), 5% (for 30 to 100 mg/m ³)
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	2 ppm	No	Discolor whole layer to pale pink
Ethylene	2000 ppm	No	Discolor whole layer to pale pink
Propylene	1000 ppm	No	Discolor whole layer to pale pink
Methanol	1000 ppm	No	Discolor whole layer to pale pink
Hydrogen sulfide	80 ppm	No	Discolor whole layer to pale pink
1-Butene	1000 ppm	No	Discolor whole layer to pale pink
tert-Butyl Mercaptan	10 mg/m ³	No	Discolor whole layer to pale pink

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
-	-	-



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