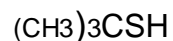
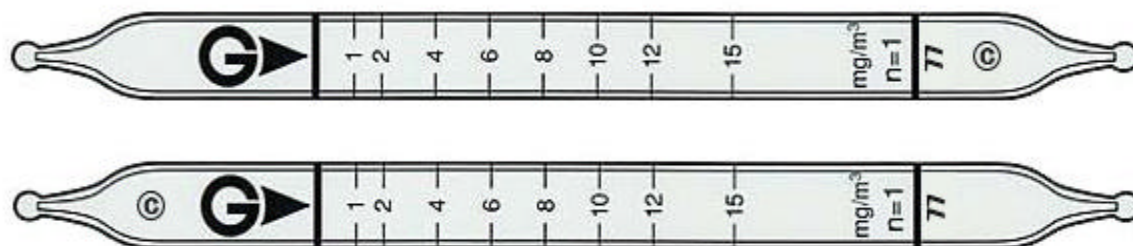


**tert-Butyl mercaptan & Dimethyl Sulfide****NO.77****Performance** (Simultaneous detector tube)

Detector Tube	TBM Tube	DMS Tube
Measuring Range	1 to 15 mg/m <sup>3</sup>	1 to 15 mg/m <sup>3</sup>
Number of Pump Stroke	1	1
Correction Factor	1	1
Sampling Time	3 minutes per pump stroke	
Detecting Limit	0.2 mg/m <sup>3</sup> (n=1)	
Color Change	Yellow → Pink	Pink → Pale yellow
Reaction Formula	<p><b>tert-Butyl Mercaptan Tube</b> TBM reacts with mercuric chloride to liberate hydrogen chloride to discolor the indicator to pink.</p> <p><b>Dimethyl Sulfide Tube</b> DMS reduces potassium permanganate to discolor the reagent to pale yellow.</p>	
Coefficient of Variation	10% (for 1 to 5 mg/m <sup>3</sup> ), 5% (for 5 to 15 mg/m <sup>3</sup> )	
Shelf Life	2 Years	
Corrections for temperature & humidity	Temperature correction is necessary	
Store the tubes in the refrigerator to keep at 10°C (50°F) or below.		

**Possible coexisting substances and their interferences** (NOTE)**For tert-Butyl Mercaptan Tube**

Substance	Concentration	Interference	Change color by itself
Hydrogen sulfide	-	Plus error	Discolor to Pink
Mercaptans	-	Plus error	Discolor to Pink

**For Dimethyl Sulfide Tube**

Substance	Concentration	Interference	Change color by itself

Substance	Concentration	Interference	Change color by itself
Olefins	-	Plus error	Discolor to Pale yellow
Tetrahydrothiophene	-	Plus error	Discolor to Pale yellow

**Calibration gas generation**      TBM Tube: Diffusion tube method  
DMS Tube: Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
-	-	-



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