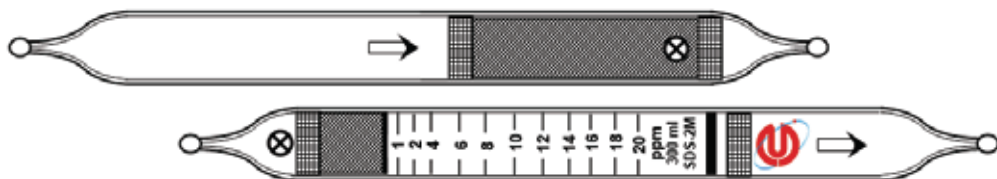


Dimethyl Sulphide

**SDS-2M**

Specification :

Measurement Range	Extended	Standard	Extended
	Do not extend	1 - 20 ppm	Do not extend
No. of Pump Strokes		3 (300 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.5 minutes per pump stroke (100 ml)		
Color Change	Pink → Off white		
Detection Limit	0.5 ppm (1 pump stroke)		
Shelf Life	1 year		
Relative standard deviation	± 10 - 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle :

$\text{C}_2\text{H}_6\text{S} + \text{KMnO}_4 \rightarrow$ Off white reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Acetylene		+	Off White
Hydrogen sulphide		+	Pale yellow
Hydrogen cyanide	≤55	No	No Effect
1,3 Butadiene		+	Off White

Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

Calibration Of The Tube :

Static gas dilution method.