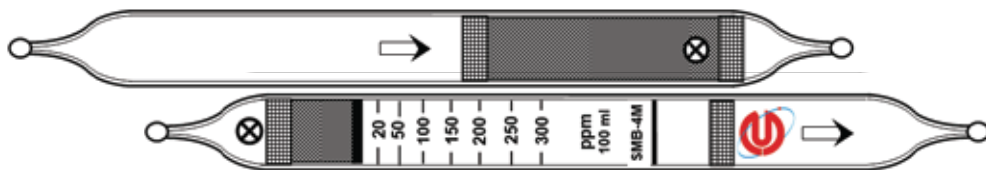


Methyl Bromide



SMB-4M

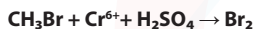


Specification :

	Extended	Standard	Extended
Measurement Range	10 – 20 ppm	20 – 300 ppm	300 – 600 ppm
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	White → Yellow		
Detection Limit	5 ppm (2 pump strokes)		
Shelf Life	2 years		
Relative standard deviation	± 10 – 15 %		

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

Reaction Principle :



$\text{Br} + \text{o-Tolidine} \rightarrow \text{Yellow reaction product}$

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Halogens		+	Yellow
Tetrachloroethylene		+	Yellow
Trichloroethylene		+	Yellow
1,2-dichloroethane	≤200	No	No Effect
1,1,1-trichloroethane	≤50	No	No Effect

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.