

Ethyl Mercaptan in LPG

(As C₂H₅-SH)

SEM-(3M)

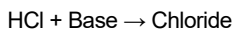
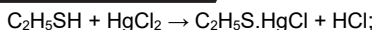


Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	2 - 80 ppm	Do not extend
No. of Pump Strokes		1 (100 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100 ml)		
Color Change	Yellow → Pink		
Detection Limit	2 ppm (2 pump strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 to 15 %		

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

Reaction Principle:



Possible Interferences:

Compound	Concentration (ppm)	Interference	Color Change / Comments
Other mercaptans		+	Pink
Phosphine		+	Pink
Hydrogen Sulphide		+	Pink
Arsine		+	Pink
Hydrogen Cyanide		+	Pink

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.

TLV (TWA): 0.5 ppm

TLV (STEL): -----

Flammable Range: 3 – 18 %