

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Ethyl Mercaptan in LPG C₂H₅SH SEM-(3M)

TLV (TWA): 0.5 ppm

TLV (STEL): ----

Flammable Range: 3 - 18%

Specification:

Measurement Range	Extended	Standard	Extended
			2 - 80 ppm
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	35 seconds per pump stroke (100 mL)		
Color Change	Yellow → Pink		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C ₂ H ₅ SH + HgCl ₂ → C ₂ H ₅ S.HgCl + HCl HCl + Base → Chloride		
Relative standard deviation	± 10 -15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour 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 %.



Manufactured By: Uniphos Envirotronic Pvt. Ltd.
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