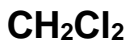


Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Methylene Chloride



SMC- 3L

TLV (TWA): 50 ppm

TLV (STEL): ----

Flammable Range: 15.5 -66.9%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	10 – 60 ppm	Do not extend
No. of Pump Strokes	2 (200 mL)		
Volume Correction Factor (VCF)*	1.0		
Sampling Time	2.5 minutes per pump stroke (100 mL)		
Color Change	White → Pale 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 (Double Tube)	$\text{CH}_2\text{Cl}_2 + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cl}_2$ $\text{Cl}_2 + \text{tetramethylbenzidine} \rightarrow \text{Pale pink reaction product}$		
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
Chlorine	6	+	Pale pink
Trichloroethylene	5	+	Pale pink
Methyl Chloride	5	+	Pale 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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108



Rev.0820