

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Methylene Chloride

CH<sub>2</sub>Cl<sub>2</sub>

## SMC- 4

TLV (TWA): 50 ppm

TLV (STEL): ----

Flammable Range: 15.5 -66.9%

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	30 – 1000 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 → Yellow		
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)	CH <sub>2</sub> Cl <sub>2</sub> + Cr <sup>6+</sup> + H <sub>2</sub> SO <sub>4</sub> → Cl <sub>2</sub> Cl <sub>2</sub> + o - Tolidine → Yellow 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	15	+	Yellow
Chlorobenzene	65	+	Yellow
n – Hexane	1345	+	Pale Yellow
1,2 Dichloroethane	85	+	Yellow

### 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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