

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Chloroform

## CHCl<sub>3</sub>

## SCF-3

TLV (TWA): 10 ppm

TLV (STEL): ----

Flammable Range: N.A

### Specification:

	Extended	Standard	Extended
Measurement Range		10 – 100 ppm	
No. of Pump Strokes		5 (500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	White → Orange/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)	CHCl <sub>3</sub> + Cr <sup>6+</sup> + H <sub>2</sub> SO <sub>4</sub> → Cl <sub>2</sub> (Pre-treat tube) CHCl <sub>3</sub> + o - Tolidine → reaction product (Sensing tube)		
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		+	Orange/Yellow
Bromine		+	Orange/Yellow
Saturated Halogenated Hydrocarbons		+	Orange/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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