

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Chlorobenzene

$C_6H_5Cl$

## SCB-4L

TLV (TWA): 10 ppm

TLV (STEL): ----

Flammable Range: 1.3 – 9.6 %

### Specification:

Measurement Range	Extended	Standard	Extended
	5 - 10 ppm	10 - 200 ppm	200 - 400 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	2.0	1.0	0.5
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	White → Brown		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_6H_5Cl + I_2O_5 \rightarrow I_2$ is liberated		
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
Diethyl ether		+	Brown
Ethyl benzene		+	Brown
Toluene		+	Brown
Carbon monoxide		+	Brown
n-Hexane		+	Brown

### 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

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