

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Chlorine

## Cl<sub>2</sub>

## SCL-3

TWA (TLV): 0.5 ppm

STEL (TLV): 1 ppm

Flammable Range: NA

### Specification:

	Extended	Standard	Extended
Measurement Range	2.5-50 ppm	5-100 ppm	10-200 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	White → Orange with Yellow ring		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	Cl <sub>2</sub> + o - Tolidine → Orange-Yellow reaction product		
Relative standard deviation	± 10 %		

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

### Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
ClO <sub>2</sub>		+	White to Orange with Yellow ring
NO		+	Diffuse
NO <sub>2</sub>		+	White to Orange with Yellow ring
Br <sub>2</sub>		+	White to Orange with Yellow ring

### 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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