

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Chloride HCl

TWA (TLV): NA

Ceiling (TLV): 2 ppm

## SHC-1

Non Flammable

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	1-10 ppm	3-30 ppm
No. of Pump Strokes		3 (300 mL)	1 (100 mL)
Volume Correction Factor (VCF)*		1.0	3
Sampling Time	1.0 minute per pump stroke		
Color Change	Yellow → Light Pink		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	HCl + Base → 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
Cl <sub>2</sub>		+	Yellow to Light pink
HF	27	No	No effect
NH <sub>3</sub>	100	No	No effect
NO <sub>2</sub>	200	No	No effect
H <sub>2</sub> S	800	No	No effect

### 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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