

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
	0.25 – 0.5 ppm	0.5 – 10 ppm	10 – 75 ppm
No. of Pump Strokes	6(600 ml)	3 (300 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	7.5
Sampling Time	1.0 minute per pump stroke (100 mL)		
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 ₂		+	Yellow to Light pink
HF	27	+	Yellow to Light pink
NH ₃	100	No	No effect
NO ₂	200	No	No effect
H ₂ 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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