

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Cyanide HCN

## SHN-4

TWA (TLV): NA

Ceiling (TLV): 4.7 ppm

Flammable Range: 6-40%

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	50 - 1000 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke		
Color Change	Yellow → Red		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	HCN + HgCl <sub>2</sub> → 2HCl + Hg (CN) <sub>2</sub> HCl + Base → Chloride		
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
SO <sub>2</sub>		+	Yellow to Red
HCl		+	Yellow to Red
H <sub>2</sub> S		+	Yellow to Red
CH <sub>4</sub>	25000	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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