

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Peroxide H<sub>2</sub>O<sub>2</sub>

TWA (TLV): 1 ppm

STEL (TLV): -

## SHP-1

Flammable Range: N.A.

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.5-10 ppm	Do not extend
No. of Pump Strokes		5 (500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	White → Brown		
Shelf Life	1 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$2\text{H}_2\text{O}_2 + 2\text{KI} \rightarrow \text{I}_2 + 2\text{H}_2\text{O} + \text{O}_2$		
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
Nitrogen Dioxide	10	+	Brown
Ozone	4	+	Brown
Chlorine	2.5	+	Brown
Acetaldehyde	10	No	No Effect
Formaldehyde	5	No	No Effect

### Correction for Environmental Parameters:

Temperature	Not necessary between 10 - 30°C (50 - 86°F).
Relative humidity	Not necessary between 3-10 mg/l (corresponds to 33% RH at 30°C)



**Manufactured By:** Uniphos Envirotronic Pvt. Ltd.  
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