

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Ethylene Glycol



## SEG-2

TWA (TLV): NA

STEL (TLV): C100 mg/m<sup>3</sup>

Flammable Range: 3.2 - 33%

### Specification:

Measurement Range	Extended	Standard	Extended
			10 – 100 mg/m <sup>3</sup>
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Yellow → Pink		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> + Periodic acid + Hydroxylamine phosphate → Reaction Product		
Relative standard deviation	± 10 %		

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

### Possible Interferences:

Compound	Concentration (mg/m <sup>3</sup> )	Interference	Colour change / Comments
Acetaldehydes		+	Yellow to Pink
Ketones		+	Yellow to Pink
Tri Ethylene Glycol		+	Yellow to Pink

### 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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