

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Gasoline

TWA (TLV): 300 ppm

$C_nH_m$

STEL (TLV): 500 ppm

## SGA-6L

Flammable Range: 1.4 – 7.6 %

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	0.03 – 0.6 %	Do not extend
No. of Pump Strokes		1(100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.5 minutes per pump stroke (100 mL)		
Color Change	Orange → Brownish green		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_nH_m + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$		
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
H <sub>2</sub> S		+	Orange to Brownish green
Toluene		+	Orange to Brownish green
Acetone		+	Orange to Brownish green
Benzene		+	Diffuse
Ethanol		+	Orange to Brownish green
CO	500	No	Ring
CH <sub>4</sub>	2.5%	No	Ring
SO <sub>2</sub>	500	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.  
Nahuli (PO), Umbergaon (Tal.)  
Valsad (Dist), Gujarat, India – 396108

Rev.0812