

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Gasoline

 C_nH_m

SGA-6L

TLV (TWA): 300 ppm

TLV (STEL): 500 ppm

Flammable Range: 1.4 – 7.6 %

Specification:

Measurement Range	Extended	Standard	Extended
	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 – 15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Hydrogen Sulphide		+	Brownish green
Toluene		+	Brownish green
Acetone		+	Brownish green
Benzene		+	Diffuse
Ethanol		+	Brownish green
Carbon monoxide	500	No	Ring
Methane	2.5%	No	Ring
Sulphur dioxide	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.
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