

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

n-Hexane

TLV (TWA): 50 ppm

C₆H₁₄

TLV (STEL): ----

SHE-6L

Flammable Range: 1.1 – 7.5 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.025 – 0.6 %	Do not extend
No. of Pump Strokes	1 (100 mL)		
Volume Correction Factor (VCF)*	1.0		
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	Orange → Brownish green		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C ₆ H ₁₄ + Cr ⁶⁺ + H ₂ SO ₄ → 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 (%)	Interference	Colour change / Comments
Organic vapours		+	Brownish Green

Other measurable compounds:

Compound	Correction Factor	No. of pump strokes	Measuring range
n-Pentane	0.34	1	0.0085 – 0.204 %
Cyclohexane	1.3	1	0.0325 – 0.78 %
n-Heptane	2.35	1	0.05875 – 1.41 %
n-Octane	3.8	1	0.095 – 2.28 %

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.0920