

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Furan

C₄H₄O

SFU-6

TLV (TWA): -----

TLV (STEL): -----

Flammable Range: 2.3 – 14.3 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.01 – 1%	Do not extend
No. of Pump Strokes		1(100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2 minutes per pump stroke (100 mL)		
Color Change	Orange → Black		
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 ₄ H ₄ O + 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 (ppm)	Interference	Colour change / Comments
Alcohols		+	Black
Esters		+	Black
Ketones		+	Black
Aromatic Hydrocarbons		+	Black

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

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