

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Xylene

TLV (TWA): 100 ppm

C₆H₄ (CH₃)₂

TLV (STEL): 150 ppm

SXY- 4

Flammable Range: 1- 7 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	25 – 1000 ppm	1000 – 2000 ppm
No. of Pump Strokes		1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	2.5 minutes per pump stroke (100 mL)		
Color Change	White → Brown		
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 ₄ (CH ₃) ₂ + I ₂ O ₅ + H ₂ S ₂ O ₇ → I ₂		
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
Benzene		+	Faint colour change
Toluene		+	Brown
Carbon monoxide	250	No	No effect
Hexane	100	No	No effect

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



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