

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Styrene

TWA (TLV): 20 ppm

C₆H₅CH:CH₂

STEL (TLV): 40 ppm

SST-4L

Flammable Range: 1.1 – 1.6 %

Specification:

	Extended	Standard	Extended
Measurement Range	2.5 – 125 ppm	5 – 250 ppm	10 – 500 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	White → Yellow		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	Reaction with Oleum forms yellow compound		
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
Acetone	5000	No	No Effect
Methanol	5000	No	No Effect
Ethyl Acetate	5000	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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