

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Ethyl benzene C_8H_{10}

SEB-4L

TWA (TLV): 100 ppm

STEL (TLV): 125 ppm

Flammable Range: 1- 6.7 %

Specification:

	Extended	Standard	Extended
Measurement Range	2.5 – 75 ppm	5 – 150 ppm	10 - 300 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke		
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	$C_8H_{10} + I_2O_5 + H_2SO_4 \rightarrow I_2$		
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
Benzene		+	White to Brown
Toluene		+	White to Brown
Xylene		+	White to Brown
n - Hexane	300	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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

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