

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

1,2-Dichlorobenzene C₆H₄Cl₂ SDB-4M

TLV (TWA): 25 ppm

TLV (STEL): 50 ppm

Flammable Range: 0.5-6%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	10 – 300 ppm	Do not extend
No. of Pump Strokes	2 (200 mL)		
Volume Correction Factor (VCF)*	1.0		
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	White → Brown		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_6H_4Cl_2 + I_2O_5 + H_2SO_7 \rightarrow I_2$		
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		+	Brown
Toluene		+	Brown
Carbon monoxide		+	Brown
Hexane	1100	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.
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