

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Chlorobenzene C_6H_5Cl

SCB-4L

TWA (TLV): 10 ppm

STEL (TLV): NA

Flammable Range: 1.3 – 9.6 %

Specification:

	Extended	Standard	Extended
Measurement Range	5 - 100 ppm	10 - 200 ppm	20 - 400 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	2.0	1.0	0.5
Sampling Time	1.5 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	$C_6H_5Cl + I_2O_5 \rightarrow I_2$ is liberated		
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
Diethyl ether		+	White to Brown
Ethyl benzene		+	White to Brown
Toluene		+	White to Brown
CO		+	White to Brown
n-Hexane		+	White to Brown

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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