

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Vinyl Chloride $\text{CH}_2=\text{CHCl}$

SVC-6

TLV (TWA): 1 ppm

TLV (STEL): -----

Flammable Range: 3.6 - 23%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.05 – 1 %	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100mL)		
Color Change	Orange → 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	$\text{CH}_2=\text{CHCl} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cr}^{3+}$		
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
Organic solvents		+	Orange to brownish green

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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