

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Phosgene

COCl₂

SPG-1

TWA (TLV): 0.1 ppm

Flammable Range: NA

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.1 - 10 ppm	0.2 - 20 ppm
No. of Pump Strokes		1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	White → Pale red.		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F) in dark place		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	COCl ₂ + Nitro-benzyl pyridine + benzyl aniline → Reaction product		
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
Cl ₂	5	No	No Effect
HCl	10	No	No Effect
SO ₂	100	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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