

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Chloropicrin

Cl_3CNO_2

SCP-2M

TWA (TLV): 0.1 ppm

STEL (TLV): NA

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	0.1 – 16 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	White → Pink		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	Cl_3CNO_2 + Nitrobenzyl pyridine + n-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
CCl_4	10	+	Faint colour
HCl	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 %.



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