

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Methyl Iodide

TLV (TWA):2 ppm

CH₃I

TLV (STEL): ----

SMO-7M

Non flammable

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	500 - 15000 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minutes per pump stroke (100 mL)		
Color Change	Orange → Greenish 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	$\text{CH}_3\text{I} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cr}^{3+}$		
Relative standard deviation	± 10 – 15 %		

Possible Interferences:

Compound	Concentration (%)	Interference	Colour change / Comments
n-Hexane	1	+	Brown
Carbon dioxide	60	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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