

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Methyl Iodide

CH₃I

SMO-7M

TWA (TLV): 2 ppm

STEL (TLV): NA

Nonflammable

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	500 - 15000	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	CH ₃ I + Cr ⁶⁺ + H ₂ SO ₄ → Cr ³⁺		
Relative standard deviation	± 10 %		

Possible Interferences:

Compound	Concentration (%)	Interference	Colour change / Comments
n-Hexane	1	+	Orange to Brown
CO ₂	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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

Rev.0313