

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Isopropyl Ether

$C_6H_{14}O$

SDE-6

TLV (TWA): 250 ppm

TLV (STEL): 310 ppm

Flammable Range: 1.4 – 7.9 %

Specification: (Use Diethyl ether tube SDE-6)

Measurement Range	Extended	Standard	Extended
	Do not extend	0.0136 – 0.34 %	Do not extend
No. of Pump Strokes	3 (300 mL)		
Volume Correction Factor (VCF)*	1.0		
Sampling Time	2.0 minute per pump stroke (100 mL)		
Color Change	Yellow → Pale green		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$(C_2H_5)_2O + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$		
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
Alcohols		+	Pale green
Esters		+	Pale green
Ketones		+	Pale green
Aromatic Hydrocarbons		+	Pale green
Ethers		+	Pale green
Furans		+	Pale green

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.0820