

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Ethylene Glycol

$C_2H_6O_2$

SEG-2

TLV (TWA): 25 ppm

TLV (STEL): 50 ppm (10 mg/m³)

Flammable Range: 3.2 – 15.2%

Specification:

Measurement Range	Extended	Standard	Extended
			10 – 100 mg/m ³
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Yellow → 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 (Double Tube)	$C_2H_6O_2$ + Periodic acid + Hydroxylamine phosphate → Reaction Product		
Relative standard deviation	± 10 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Interferences:

Compound	Concentration (mg/m ³)	Interference	Colour change / Comments
Acetaldehydes		+	Pink
Ketones		+	Pink

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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