

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Ethanol

C₂H₅OH

SET-5

TWA (TLV): 1000 ppm

STEL (TLV): -

Flammable Range: 3.3-19%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	100 – 5000 ppm	Do not extend
No. of Pump Strokes	1 (100 mL)		
Volume Correction Factor (VCF)*	1		
Sampling Time	1.5 minutes per pump stroke (100mL)		
Color Change	Yellow → Pale green		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C ₂ H ₅ OH + Cr ⁶⁺ + H ₂ SO ₄ → Cr ³⁺		
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
Alcohols		+	Yellow to Pale green
CO ₂	10 %	No	No Effect
CO	1000	No	No Effect
SO ₂		No	No Effect
Acetone	1%	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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