

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Ethanol

## C<sub>2</sub>H<sub>5</sub>OH

## 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 <sub>2</sub> H <sub>5</sub> OH + Cr <sup>6+</sup> + H <sub>2</sub> SO <sub>4</sub> → Cr <sup>3+</sup>		
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 <sub>2</sub>	10 %	No	No Effect
CO	1000	No	No Effect
SO <sub>2</sub>		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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