

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Acrolein

C (TLV): 0.1 ppm

CH₂:CHCHO

STEL (TLV): NA

SAE - 4

Flammable Range: 2.8 – 31%

Specification:

	Extended	Standard	Extended
Measurement Range		10 – 800 ppm	
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) in Refrigerator		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	3CH ₂ :CHCHO + (NH ₂ OH) ₃ H ₃ PO ₄ → H ₃ PO ₄ H ₃ PO ₄ + Base → Phosphate		
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
Aldehydes		+	Yellow to Pink
Ketones		+	Yellow to Pink

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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