

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Acetaldehyde $\text{CH}_3\text{CHO}$ SAT- 4M

C (TLV): 25 ppm

STEL (TLV): NA

Flammable Range: 4 – 60 %

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	10 - 300 ppm	Do not extend
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	Light Yellow → Light 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	$\text{CH}_3\text{CHO} + (\text{NH}_2\text{OH})_3\cdot\text{H}_3\text{PO}_4 \rightarrow \text{H}_3\text{PO}_4$ $\text{H}_3\text{PO}_4 + \text{Base} \rightarrow \text{Phosphate}$		
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
Acetone		+	Ring
Methyl isobutyl Ketone		+	Ring
Methyl ethyl Ketone		+	Ring
$\text{NH}_3$	100	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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