

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Acetone

C₃H₆O

SAC-5

TWA (TLV): 500 ppm

STEL (TLV): 750 ppm

Flammable Range: 2.1 – 13 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	50 - 4000 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	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	CH ₃ COCH ₃ + (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
Methyl ethyl Ketone		+	Yellow to Pink
Ethyl acetate		+	Yellow to Pink
Methyl isobutyl Ketone	10000	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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

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