

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Isopropyl amine

$C_3H_7NH_2$

SIA-2

TLV (TWA): 5 ppm

TLV (STEL): 10 ppm

Flammable Range: 2.0 – 10.4 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	2.5 – 50 ppm	Do not extend
No. of Pump Strokes		1(100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	Yellow → Blue		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_3H_7NH_2 + \text{Acid} \rightarrow \text{Reaction product}$		
Relative standard deviation	± 10 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Amines		+	Blue
Ammonia		+	Blue

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



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