

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Pyridine

C_5H_5N

SPY-2M

TLV (TWA): 1.0 ppm

TLV (STEL): NA

Flammable Range: 1.8-12.4%

Specification:

Measurement Range	Extended	Standard	Extended
	Do Not Extend	1 - 14 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	Purple → Pale Yellow		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_5H_5N + \text{Acid} \rightarrow \text{Reaction product}$		
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		+	Pale Yellow
Ammonia		+	Pale Yellow

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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