

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Hydrazine

TWA (TLV): .01 ppm

N₂H₄

STEL (TLV): NA

SHY-1L

Flammable Range: 2.9 – 98 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.1- 2 ppm	Do not extend
No. of Pump Strokes		5 (500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	Yellow → Blue		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	N ₂ H ₄ + Acid → Reaction product		
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
Methylamine		+	Yellow to Blue
UDMH		+	Yellow to Blue
Ethylamine		+	Yellow to Blue

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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