

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Diethyl amine (C₂H₅)₂NH

SDA-2M

TWA (TLV): 5 ppm

STEL (TLV): 15 ppm

Flammable Range: 1.8 – 10.1%

Specification:

	Extended	Standard	Extended
Measurement Range	1- 10 ppm	2 - 20 ppm	4 - 40 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
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 ₂ H ₅) ₂ NH + 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
Amines		+	Yellow to Blue
Ammonia		+	Yellow to Blue
Hydrazine		+	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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

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