

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Diethyl amine $(C_2H_5)_2NH$

SDA-2M

TLV (TWA): 5 ppm

TLV (STEL): 15 ppm

Flammable Range: 1.8 – 10.1%

Specification:

Measurement Range	Extended	Standard	Extended
	1- 2 ppm	2 - 20 ppm	20 - 40 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 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	$(C_2H_5)_2NH + \text{Acid} \rightarrow \text{Reaction product}$		
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
Hydrazine		+	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. (100% EOU)
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