

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Aniline

$C_6H_5NH_2$

SAI-2

TLV (TWA): 2 ppm

TLV (STEL):NA

Flammable Range: 1.3 – 11 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	2 - 30 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	0.5 minute per pump stroke (100 mL)		
Color Change	White → Yellow		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_6H_5NH_2 + P$ -Dimethylamino -benzaldehyde Acid → 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		+	Yellow
Ammonia	70	No	No Effect

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

Rev.0720