

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Cyclohexylamine $C_6H_{11}NH_2$ SCA-2

TWA (TLV): 10 ppm

STEL (TLV): NA

Flammable Range: 1.6 – 9.4 %

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	0.5 – 30 ppm	Do not extend
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
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	$C_6H_{11}NH_2 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$		
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
NH ₃		+	Yellow to Blue
Diethyl amine		+	Yellow to Blue
Dimethylamine		+	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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