

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Cyclohexylamine

$C_6H_{11}NH_2$

SCA-2

TLV (TWA): 10 ppm

TLV (STEL): ----

Flammable Range: 1.5 – 9.4 %

Specification:

Measurement Range	Extended	Standard	Extended
	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 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Ammonia		+	Blue
Diethyl amine		+	Blue
Dimethylamine		+	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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