

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Acrylonitrile

CH₂=CHCN

SAN-4L

TWA (TLV): 2 ppm

STEL (TLV): NA

Flammable Range: 3 – 17 %

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	5 - 120 ppm	Do not extend
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Yellow → Red		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	CH ₂ :CHCN + Cr ⁶⁺ + H ₂ SO ₄ → HCN 2HCN + HgCl ₂ → 2HCl + Hg (CN) ₂ HCl + Base → Chloride		
Relative standard deviation	± 10 %		

Possible interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
HCl	40	No	No Effect
Methanol	200	No	No Effect
Acetone	1000	No	No Effect
HCN	55	+	Yellow – Red

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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