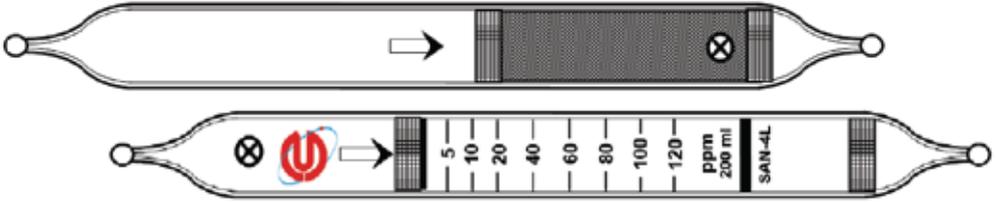


Acrylonitrile



SAN-4L

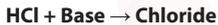
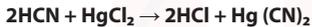
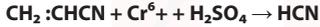


Specification :

Measurement Range	Extended	Standard	Extended
	2 – 5 ppm	5 - 120 ppm	Do not extend
No. of Pump Strokes	5 (500 ml)	2 (200 ml)	
Volume Correction Factor (VCF)*	0.4	1.0	
Sampling Time	2.0 minutes per pump stroke (100 ml)		
Color Change	Yellow → Red		
Detection Limit	1 ppm (5 pump strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 to 15 %		

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

Reaction Principle :



Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Hydrochloric acid	≤40	No	No Effect
Methanol	≤200	No	No Effect
Acetone	≤1000	No	No Effect
Hydrogen cyanide	55	+	Red
Aromatic hydrocarbon		No	No effect

Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

Calibration Of The Tube :

Static gas dilution method.

TLV (TWA): 2 ppm

TLV (STEL): -----

Flammable Range: 3 – 17 %