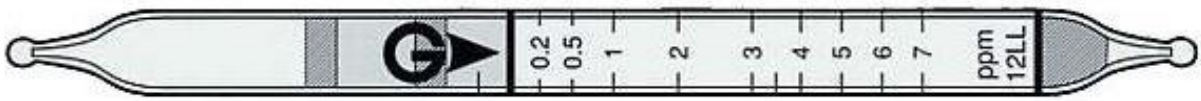
The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Hydrogen Cyanide HCN NO.GAS12LL



Performance

Measuring Range	0.2 to 7 ppm
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	2 minutes per pump stroke
Detecting Limit	0.05 ppm (n=2)
Colour Change	Yellow → Pink
Reaction Principle	Hydrogen Cyanide reacts with Mercuric Chloride to form the Hydrogen Chloride then discolours the indicator to pink. $2HCN + HgCl_2 \rightarrow Hg(CN)_2 + 2HCl$ HCl + Base → Chloride product
Coefficient of Variation	10% (for 0.2 to 2 ppm), 5% (for 2 to 7 ppm)
Shelf Life	Up to 2 Years
Corrections for temperature & humidity	Humidity correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Hydrogen Sulphide	≥1 ppm	Plus error	Red discoloration
Sulphur Dioxide	≥1 ppm	Plus error	Red discoloration

Calibration gas generation Permeation tube method

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