



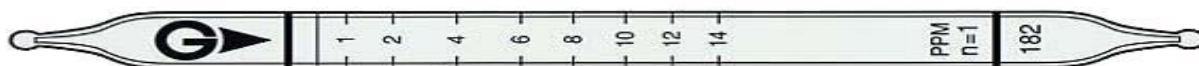
The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Pyridine

C₅H₅N

NO.GAS182



Performance

Measuring Range	0.2 to 0.5 ppm	(0.5) to 14 ppm	14 to 35 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	0.4	1	2.5
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.1 ppm (n=2)		
Colour Change	Pink → Yellow		
Reaction Principle	$C_5H_5N + H_2SO_4 \longrightarrow C_5H_5NH_2SO_4$		
Coefficient of Variation	10% (for 0.5 to 4 ppm), 5% (for 4 to 14 ppm)		
Shelf Life	Up to 3 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Aromatic amines	-	Plus error	Yellow
Aliphatic amines	-	Plus error	Yellow
Ammonia	-	Plus error	Yellow
Hydrazine	-	Plus error	Yellow

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
4-Methyl pyridine	0.75	1	0.38 to 10.5 ppm

Calibration gas generation Diffusion tube method

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