

Pyridine**C₅Humidity
Correction₅N****NO.182****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	2 minutes per pump stroke		
Detecting Limit	0.1 ppm (n=2)		
Color Change	Pink → Yellow		
Reaction Principle	$\text{C}_5\text{Humidity Correction}_5\text{N} + \text{H}_2\text{SO}_4 \longrightarrow \text{C}_5\text{Humidity Correction}_5\text{N} - \text{H}_2\text{SO}_4$		
Coefficient of Variation	10% (for 0.5 to 4 ppm), 5% (for 4 to 14 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Aromatic amines	-	Plus error	Yellow
Aliphatic amines	-	Plus error	Yellow
Ammomia	-	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

TLV-TWA	TLV-STEL	Explosive range
5 ppm	-	1.8 to 12.4 %



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