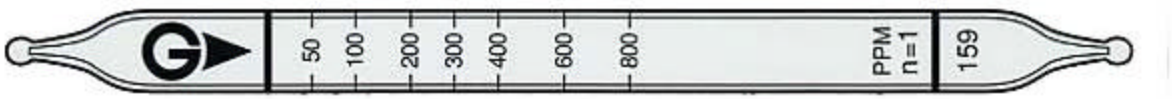
How to read this chart

Tetrahydrofuran C_4Humidity Correction$_8$O NO.159



Performance

Measuring Range	20 to 50 ppm	50 to 800 ppm
Number of Pump Strokes	2	1
Correction Factor	0.4	1
Sampling Time	5 minutes per pump stroke	
Detecting Limit	2 ppm (n=2)	
Color Change	Pink ⟶ Pale Blue	
Reaction Principle	Tetrahydrofuran is reduced by potassium dichlomate to form chromic sulfate, which color is pale blue. C_4Humidity Correction$_8$O + Cr^{6+} + H_2SO_4 ⟶ Cr^{3+}	
Coefficient of Variation	15% (for 50 to 200 ppm), 10% (for 200 to 800 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
Alcohols	-	Plus error	Produces pale blue stain.

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
1.4-Dioxane	by scale	2	25 to 140ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
200ppm	250ppm	1.5 to 12.4%

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Policy Statement and Legal Notices

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