

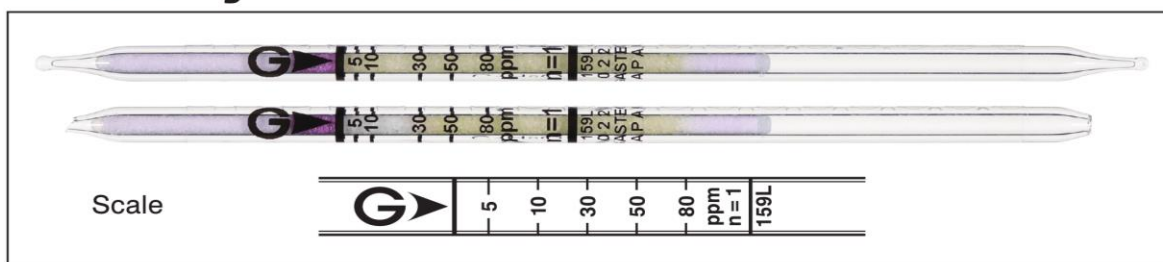


Tetrahydrofuran C₄H₈O

Part No.:159L

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No.159L



Performance

Measuring range	5 to 80 ppm	80 to 232 ppm
Number of pump strokes	1 (100 mL)	1/2 (50 mL)
Correction factor	1	2.9
Sampling time	2 min	1 min
Detecting limit :	1.4 ppm (1 pump stroke)	
Colour change :	Pale yellow → Pale blue	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used	
	Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 5 to 10 ppm), 5 % (for 10 to 80 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	12 months (in the refrigerator)	

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acrolein	≥ 30 ppm	+	Pale vermilion (≥ 30 ppm)
Acetone	≥ 200 ppm	No	Pale vermilion (≥ 200 ppm)
Acetic acid	≥ 200 ppm	No	No (≤ 400 ppm)
Ethyl acetate	≥ 1 ppm	+	Pale vermilion (≥ 2 ppm)
Diethyl ether	≥ 1 ppm	+	Pale blue
Trichloroethylene	≥ 100 ppm	No	Pale vermilion (≥ 100 ppm)
Toluene	≥ 1 ppm	+	White (≥ 4 ppm)
n-Hexane	≥ 10 ppm	Can not use due to Unclear demarcation	Pale vermilion (≥ 10 ppm)
Benzen	≥ 100 ppm	No	White (≥ 500 ppm)
Methanol	≥ 2 ppm	+	Pale vermilion (≥ 5 ppm)
			Pale blue (≥ 9 ppm)
Methyl ethyl ketone	≥ 2 ppm	+	Pale vermilion (≥ 3 ppm)

Calibration gas generation

Diffusion tube method