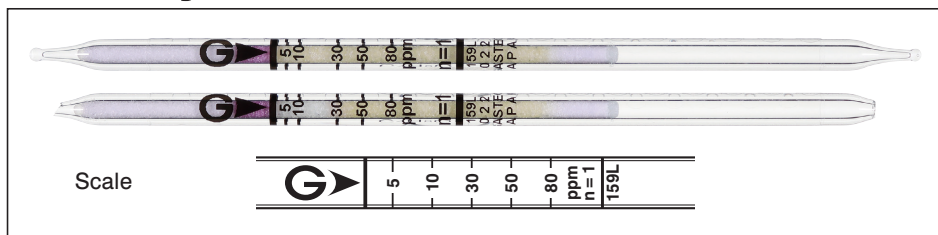


Tetrahydrofuran C₄H₈O

No. 159L

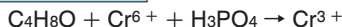


Performance

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