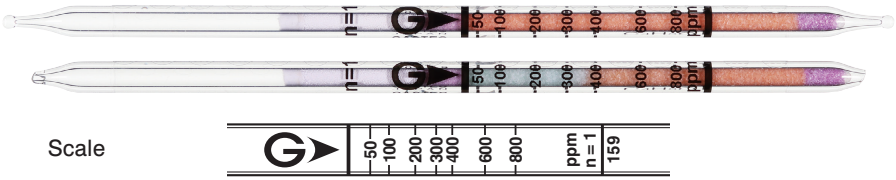
Tetrahydrofuran C_4H_8O No.159



Performance

Measuring range	25 to 50 ppm	50 to 800 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	0.5	1
Sampling time	6 min	3 min

Detecting limit : 2 ppm (2 pump strokes)
Colour change : Pale vermilion → 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 : 15 %(for 50 to 200 ppm), 10 %(200 to 800 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months

Reaction principle

$C_4H_8O + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	Pale blue

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,4-Dioxane	by scale	2	25 to 144 ppm

Calibration gas generation

Diffusion tube method