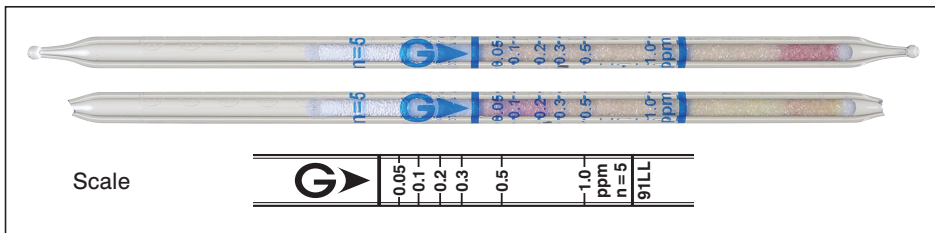


Formaldehyde HCHO

No.91LL



Performance

Measuring range	0.05 to 1.0 ppm
Number of pump strokes	5 (500 mL)
Correction factor	1
Sampling time	7.5 min
Detecting limit :	0.03 ppm (5 pump strokes)
Colour change :	Yellowish brown → Pale pink
Operating conditions :	Temperature 10 to 35 °C (50 to 95 °F) correction used Relative humidity 15 to 90 % correction not used
Relative standard deviation :	10 % (for 0.05 to 0.3 ppm) , 5 % (for 0.3 to 1.0 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
Ammonia		–	Yellow (Unclear demarcation)
Nitrogen dioxide		No	Pale pink
Aldehydes	≧ 1/3	} + Unclear demarcation	} Pale pink (Unclear demarcation)
Ketones	≧ 1/1		
Toluene	≧ 10 ppm	No	No

Nitrogen dioxide is trapped in the pretreatment (white) layer. If the pretreatment layer is entirely consumed, the detecting layer turns its colour to pale pink at around zero point. But that does not affect the accuracy of the measurement.

Calibration gas generation

Permeation tube method