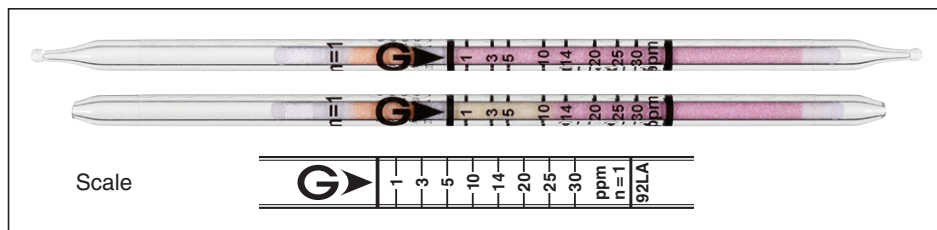


Acetaldehyde CH_3CHO

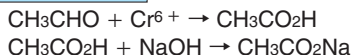
No.92LA



Performance

Measuring range	0.3 to 1 ppm	1 to 30 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	0.3	1
Sampling time	5 min	2.5 min
Detecting limit :	0.13 ppm (2 pump strokes)	
Colour change :	Pink → Yellow	
Operating conditions :	Temperature 5 to 40 °C (41 to 104 °F) correction used Relative humidity 10 to 90 % correction not used	
Relative standard deviation :	15 % (for 1 to 10 ppm) , 10 % (for 10 to 30 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	24 months	

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia	4 times	No	No (125 ppm)
Ethanol	≥ 7 ppm	+	Yellow (≥ 0.5 ppm)
Acetic acid	7 times	No	No (200 ppm)
Methyl mercaptan	8 ppm	No	No (23 ppm)
Hydrogen sulphide	≥ 1 ppm	+	Yellow (≥ 1 ppm)
Trimethylamine	≤ 450 ppm	No	No (4700 ppm)
Formaldehyde	≥ 19 ppm	+	Yellow (≥ 3.5 ppm)
Acetone	≤ 70 ppm	No	No (≤ 400 ppm)
Diacetyl	≥ 11 ppm	+	Yellow (≥ 5 ppm)
Ozone	≥ 0.1 ppm	—	Bleaching (≥ 1 ppm)

Calibration gas generation

Diffusion tube method