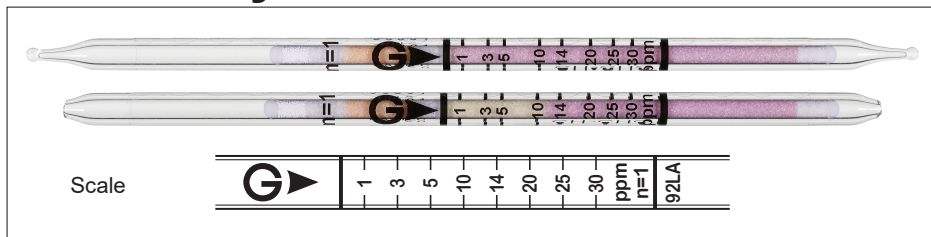


# Acetaldehyde $\text{CH}_3\text{CHO}$

No. 92LA

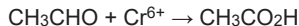


## Performance

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	$\geq 7$ ppm	+	Yellow ( $\geq 0.5$ ppm)
Acetic acid	7 times	No	No (200 ppm)
Methyl mercaptan	8 ppm	No	No (23 ppm)
Hydrogen sulphide	$\geq 1$ ppm	+	Yellow ( $\geq 1$ ppm)
Trimethylamine	$\leq 450$ ppm	No	No (4700 ppm)
Formaldehyde	$\geq 19$ ppm	+	Yellow ( $\geq 3.5$ ppm)
Acetone	$\leq 70$ ppm	No	No ( $\leq 400$ ppm)
Diacetyl	$\geq 11$ ppm	+	Yellow ( $\geq 5$ ppm)
Ozone	$\geq 0.1$ ppm	-	Bleaching ( $\geq 1$ ppm)

## Calibration gas generation

Diffusion tube method