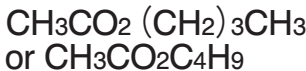
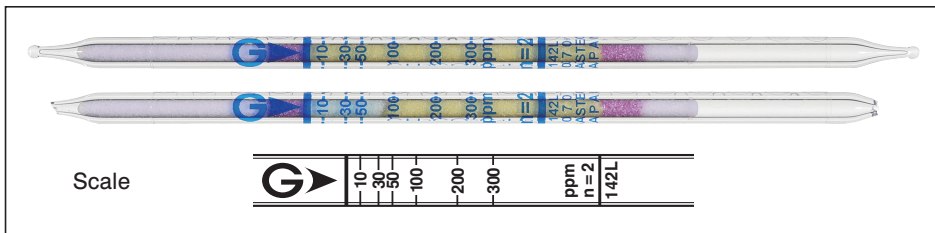


# Butyl Acetate



No.142L



## Performance

Measuring range	10 to 300 ppm
Number of pump strokes	2 (200 mL)
Correction factor	1
Sampling time	3 min
Detecting limit :	2 ppm (2 pump strokes)
Colour change :	Yellow → Blackish brown (few minutes later) → 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 10 to 300 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
Alcohols (methanol)		+	Pale blue( $\geq 5$ ppm)
Ketones (acetone)		+	Blackish brown( $\geq 10$ ppm)
Esters (methyl acetate)		+	Blackish brown( $\geq 30$ ppm)
Aromatic hydrocarbons (benzene)		No (The undicoloured part of reagent changes colour to light brown.)	Pale brown for whole layer ( $\geq 30$ ppm)
Aromatic hydrocarbons (toluene)		+	Blackish brown( $\geq 1$ ppm)

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Isobutyl acrylate	Factor : 0.55	2	5.5 to 165 ppm
Butyl acrylate	Factor : 0.7	2	7 to 210 ppm

## Calibration gas generation

Diffusion tube method