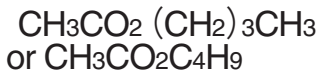
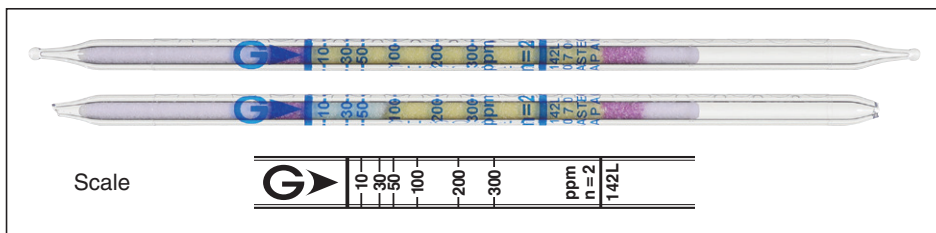


Butyl Acetate



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(≥ 5 ppm) |
| Ketones (acetone) | | + | Blackish brown(≥ 10 ppm) |
| Esters (methyl acetate) | | + | Blackish brown(≥ 30 ppm) |
| Aromatic hydrocarbons (benzene) | | No (The undicoloured part of reagent changes colour to light brown.) | Pale brown for whole layer (≥ 30 ppm) |
| Aromatic hydrocarbons (toluene) | | + | Blackish brown(≥ 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 |
| Diethyl ketone | by scale | 2 | 5 to 513 ppm |

Calibration gas generation

Diffusion tube method