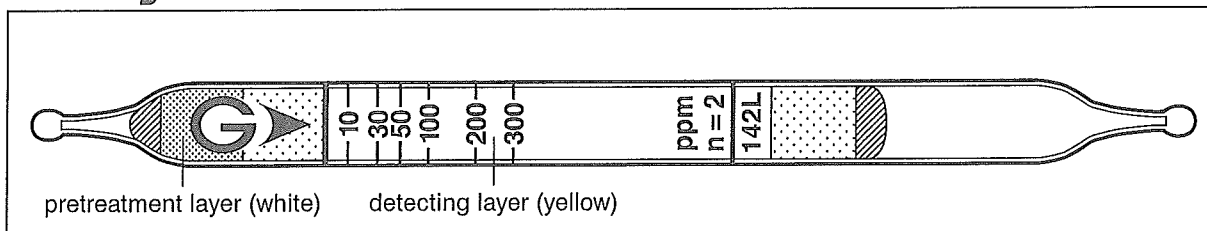


# Butyl Acetate $\text{CH}_3\text{CO}_2(\text{CH}_2)_3\text{CH}_3$ or $\text{CH}_3\text{CO}_2\text{C}_4\text{H}_9$

No. 142L



## Performance

Measuring range	10 to 300 ppm
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	4 min

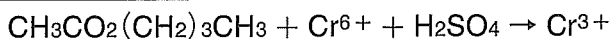
Detecting limit : 2 ppm (2 pump strokes)  
 Colour change : Yellow → Dark brown (few minutes later) → Pale blue

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 15 % (for 10 to 100 ppm), 10 % (100 to 300 ppm)

Shelf life : 2 years

## Reaction principle



## Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	Dark brown (few minutes later) → Pale blue
Aromatic hydrocarbons		+	
Esters		+	
Ketones		+	

Water vapour is trapped in the pretreatment (white) layer.

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Isobutyl acrylate	Factor : 0.26	2	2.6 to 78 ppm
Butyl acrylate	Factor : 0.7	2	7 to 210 ppm

## Calibration gas generation

Diffusion tube method