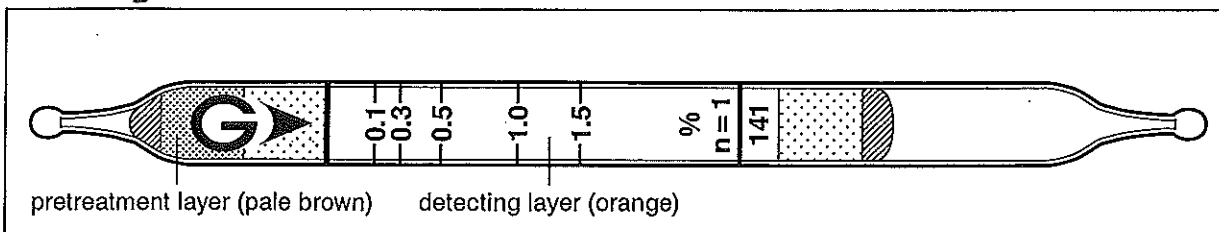


Ethyl Acetate $\text{CH}_3\text{CO}_2\text{C}_2\text{H}_5$

No.141



Performance

| | |
|------------------------|--------------|
| Measuring range | 0.1 to 1.5 % |
| Number of pump strokes | 1 (100 ml) |
| Correction factor | 1 |
| Sampling time | 1.5 min |

Detecting limit : 0.01 % (1 pump stroke)

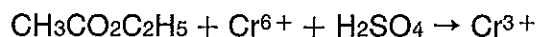
Colour change : Orange → Dark green

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.1 to 0.3 %), 5 % (for 0.3 to 1.5 %)

Shelf life : 3 years

Reaction principle



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

| Substance | Concentration | Interference | Changes colour by itself to |
|---------------------------|-----------------|--------------|-----------------------------|
| Propane | ≥ 2000 ppm | + | Dark green (whole layer) |
| Alcohols, Esters, Ketones | | + | |
| Aromatic hydrocarbons | ≥ 500 ppm | + | Dark green |
| Hydrogen sulphide | ≥ 500 ppm | + | |
| Sulphur dioxide | ≥ 500 ppm | + | Green |

Water vapour is trapped in the pretreatment (pale brown) layer.

Other substance measurable with this detector tube

| Substance | Correction | No. of pump strokes | Measuring range |
|---------------|--------------|---------------------|-----------------|
| Vinyl acetate | Factor : 0.6 | 1 | 0.06 to 0.9 % |

Calibration gas generation

Static gas dilution method