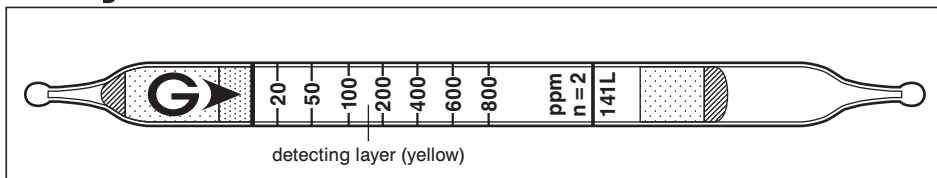


# Ethyl Acetate $\text{CH}_3\text{CO}_2\text{C}_2\text{H}_5$

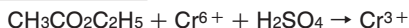
No.141L



## Performance

Measuring range	20 to 800 ppm
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	4 min
Detecting limit :	5 ppm (2 pump strokes)
Colour change :	Yellow → Blackish brown (few minutes later) → Light blue
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	15 % (for 20 to 200 ppm), 10 % (for 200 to 800 ppm)
Shelf life :	2 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols, Esters, Ketones		+	} Dark green
Aromatic hydrocarbons		+	

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

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Cymene	Factor : 0.28	2	5.6 to 224 ppm
Diisopropyl benzene	Factor : 0.5	1/2	10 to 400 ppm
Ethyl acrylate	Factor : 0.4	2	8 to 320 ppm
2-Hexyl alcohol	Factor : 3.0	3	60 to 2400 ppm
Isopropyl ether	Factor : 0.9	2	18 to 720 ppm
Mesityl oxide	Factor : 1.35	2	27 to 1080 ppm
Methyl acrylate	Factor : 0.4	2	8 to 320 ppm
Methyl isothiocyanate	by scale	2	50 to 400 ppm

## Calibration gas generation

Diffusion tube method