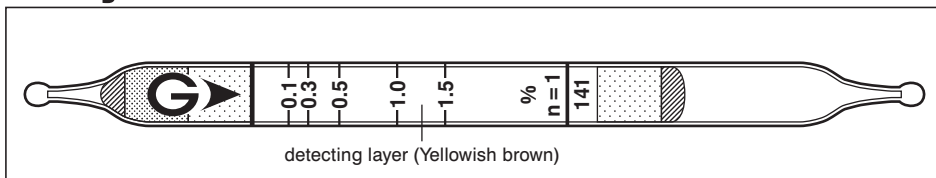


# Ethyl Acetate $\text{CH}_3\text{CO}_2\text{C}_2\text{H}_5$

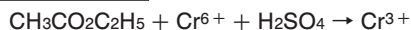
No.141



## 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 :	Yellowish brown → Greenish brown
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

Substance	Concentration	Interference	Changes colour by itself to
Propane	$\geq 0.2 \%$	Cannot use	Greenish brown (whole layer) ( $\geq 0.2 \%$ )
Alcohols, Esters, Ketones		+	Greenish brown
Aromatic hydrocarbons	$\geq 500 \text{ ppm}$	+	Greenish brown ( $\geq 500 \text{ ppm}$ )
Hydrogen sulphide	$\geq 500 \text{ ppm}$	+	Greenish brown ( $\geq 500 \text{ ppm}$ )
Sulphur dioxide	$\geq 500 \text{ ppm}$	+	Green ( $\geq 500 \text{ ppm}$ )

## 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