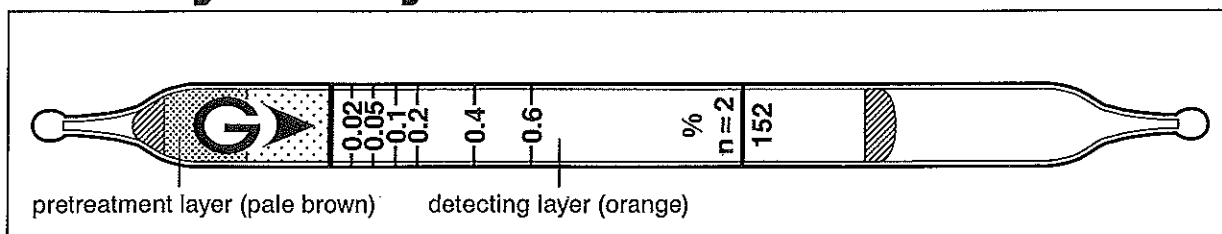


# Methyl Ethyl Ketone $\text{CH}_3\text{COC}_2\text{H}_5$ No.152

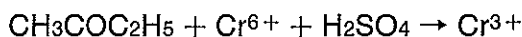


## Performance

Measuring range	0.02 to 0.6 %
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	3 min

Detecting limit : 0.002 % (2 pump strokes)  
 Colour change : Orange → Dark green  
 Corrections for temperature & humidity : Temperature correction is necessary.  
 Relative standard deviation : 10 % (for 0.02 to 0.2 %), 5 % (for 0.2 to 0.6 %)  
 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	$\geq 2000$ ppm	+	Dark green (whole layer)
Alcohols, Esters, Ketones		+	
Aromatic hydrocarbons	$\geq 500$ ppm	+	Dark green
Hydrogen sulphide	$\geq 500$ ppm	+	
Sulphur dioxide	$\geq 500$ ppm	+	Green

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

## Calibration gas generation

Static gas dilution method