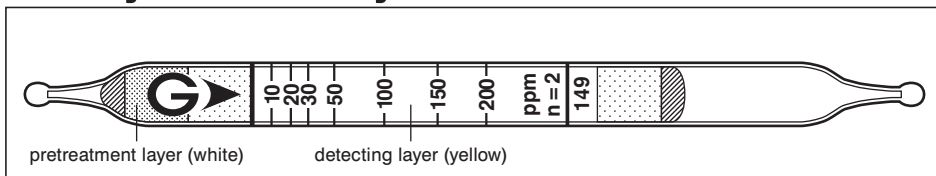


Methyl Methacrylate $\text{CH}_2\text{:C}(\text{CH}_3)\text{CO}_2\text{CH}_3$ No.149

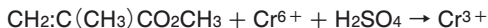


Performance

Measuring range	10 to 200 ppm	200 to 500 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1	2.5
Sampling time	4 min	2 min

Detecting limit : 1 ppm (2 pump strokes)
 Colour change : Yellow → Pale blue
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 10 to 50 ppm), 5 % (for 50 to 200 ppm)
 Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	} Pale blue
Esters		+	
Ketones		+	

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

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Allyl isothiocyanate	by scale	2	5 to 200 ppm

Calibration gas generation

Diffusion tube method