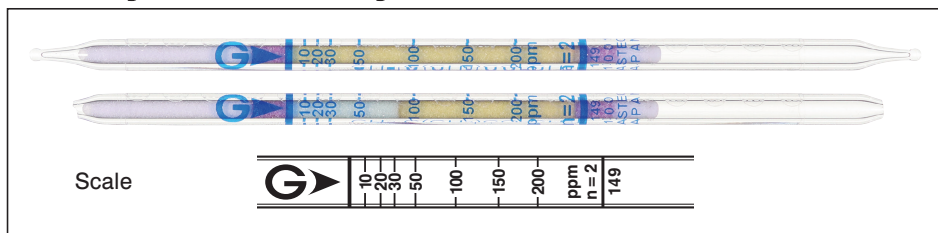


# Methyl Methacrylate $\text{CH}_2=\text{C}(\text{CH}_3)\text{CO}_2\text{CH}_3$ No.149



## 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	3 min	1.5 min
Detecting limit :	1 ppm (2 pump strokes)	
Colour change :	Yellow → Pale blue	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 10 to 50 ppm), 5 % (for 50 to 200 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	24 months	

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Alcohols (methanol)		+	Pale blue ( $\geq 5$ ppm)
Ketones (acetone)		+	Blackish brown ( $\geq 10$ ppm)
Esters (methyl acetate)		+	No stain observed immediately. A blackish brown colour observed later ( $\geq 30$ ppm)

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Allyl isothiocyanate	Factor : 0.44	2	4.4 to 88 ppm

## Calibration gas generation

Diffusion tube method