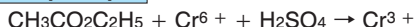


Performance

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
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 0.1 to 0.3 %), 5 % (for 0.3 to 1.5 %)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

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