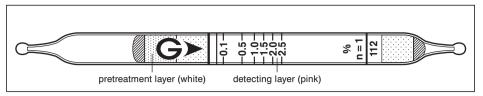
Ethanol C2H5OH



Performance The minimum scale value (0.05%) is not printed on the tube, but only the scale line is printed.

Measuring range	0.01 to 0.05 %	(0.05) to 2.5 %	2.5 to 7.5 %
Number of pump strokes	2 (200 ml)	1(100 ml)	1/2(50 ml)
Correction factor	0.2	1	3
Sampling time	2 min	1 min	30 sec

Detecting limit: 0.004 % (2 pump strokes)

Colour change : Pink → Pale blue

Corrections for temperature & humidity: Temperature correction is necessary.

Relative standard deviation: 15 % (for 0.05 to 0.5 %), 10 % (for 0.5 to 2.5 %)

Shelf life: 3 years

Reaction principle

 $C_2H_5OH + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	Pale blue
Carbon dioxide		No	} No
Carbon monoxide		No	l)

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

Calibration gas generation

Static gas dilution method