

**Performance**

Measuring Range	(0.05) to 3%
Number of Pump Strokes	1
Correction Factor	1
Sampling Time	1 minute per pump stroke
Detecting Limit	0.02% (n = 1)
Colour Change	Orange → Green
Reaction Principle	Ethylene oxide reduces potassium dichromate to form chromic sulphate, which is green in colour
Coefficient of Variation	10% (for 0.05 to 1.0 %), 5% (for 1.0 to 3.0 %)
Shelf Life	3 Years
Corrections for temperature & humidity	Unnecessary
Store the tubes at cool and dark place.	

**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Change colour by itself
Aromatic Hydrocarbons	-	Plus error	Produce green stain
Alcohols, Esters, Ketones	-	Plus error	Produce green stain

**Other substance measurable with this detector tube**

Substance	Correction	No. of Pump Strokes	Measuring Range
1,4-Dioxane	Factor: 2.0	1	0.1 to 6%
Propylene oxide	Factor: 1.3	1	0.065 to 3.9%

**Calibration gas generation** Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
1ppm	-	3.6 to 100%