

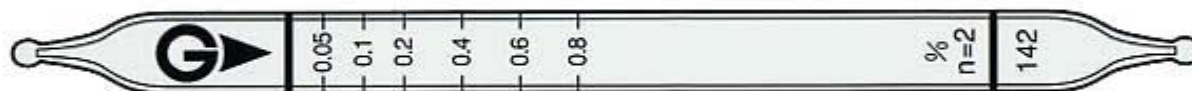


The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Butyl Acetate $\text{CH}_3\text{CO}_2(\text{CH}_2)_3\text{CH}_3$ $\text{cCH}_3\text{CO}_2\text{C}_4\text{H}_9$

No. GAS142



Performance

Measuring Range	0.05 to 0.8%
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	1.5 minutes per pump stroke
Detecting Limit	0.002% (n=2)
Colour Change	Orange → Dark green
Reaction Principle	$\text{CH}_3\text{CO}_2(\text{CH}_2)_3\text{CH}_3 + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cr}^{3+}$
Coefficient of Variation	15% (for 0.01 to 0.2 %), 10% (for 0.2 to 0.8 %)
Shelf Life	Up to 3 Years
Corrections for temperature & humidity	Temperature correction is necessary

Store the tubes at cool and dark place.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Sulphur Dioxide	≥ 500 ppm	Plus error	Discolours green
Hydrogen Sulphide	≥ 500 ppm	Plus error	Discolours dark green
Alcohols, Esters, Ketones	-	Plus error	Discolours dark green
Propane	≥ 2000 ppm	Plus error	Dark green (Whole layer)
Aromatic Hydrocarbons	≥ 500 ppm	Plus error	Discolours Greenish brown

Calibration gas generation Static gas dilution method

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