

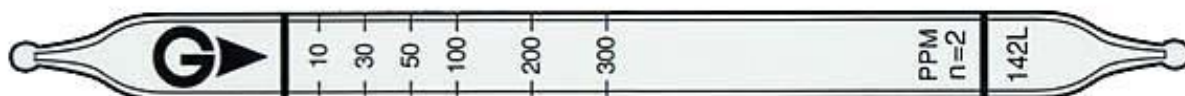


The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

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

No.GAS142L



Performance

Measuring Range	10 to 300 ppm
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	4 minutes per pump stroke
Detecting Limit	2 ppm (n=2)
Colour Change	Yellow → Blackish brown → Light blue after few minutes
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 10 to 100 ppm), 10% (for 100 to 300 ppm)
Shelf Life	Up to 2 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
Alcohols	-	Plus error	Dark brown (few minutes later) → Pale blue
Ketones	-	Plus error	
Esters	-	Plus error	
Aromatic Hydrocarbons	-	Plus error	

a1-cbiss Ltd

5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS

www.a1-cbiss.com | sales@a1-cbiss.com | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329

VAT No: 539 5178 13 Company Reg No: 2414633





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

Other substance measurable with this detector tube

Substance	Correction	No. of Pump Strokes	Measuring Range
Isobuty Acrylate	Factor: 0.26	2	2.6 to 78 ppm
Butyl Acrylate	Factor 0.7	2	7 to 210 ppm

Calibration gas generation Diffusion tube method

a1-cbiss Ltd

5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS

www.a1-cbiss.com | sales@a1-cbiss.com | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329

VAT No: 539 5178 13 Company Reg No: 2414633

