



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

Gastec Tube Datasheet

Vinyl Acetate

CH₃CO₂CH:CH₂

NO.GAS143



Performance

Measuring Range	5 to 10 ppm	10 to 100 ppm	100 to 250ppm
Number of Pump Strokes	4	2	1
Correction Factor	1/2	1	2.5
Sampling Time	45 seconds per pump stroke		
Detecting Limit	1 ppm (n=4)		
Colour Change	White → Brown		
Reaction Principle	$\text{CH}_3\text{CO}_2\text{CH:CH}_2 + \text{C}_6\text{H}_3(\text{CH}_3)_3 + \text{H}_2\text{S}_2\text{O}_7$ → Condensation Polymer (Brown)		
Coefficient of Variation	15% (for 10 to 20 ppm), 10% (for 20 to 100 ppm)		
Shelf Life	Up to 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
Aldehydes	-	Plus error	Brown
Ketones	-	Plus error	Brown
Ethylene	≥1000ppm	Plus error	Yellow
Vinyl chloride	≥500ppm	Plus error	Yellow

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



Certificate No 996
ISO 9001, ISO 14001
OHSAS 18001