

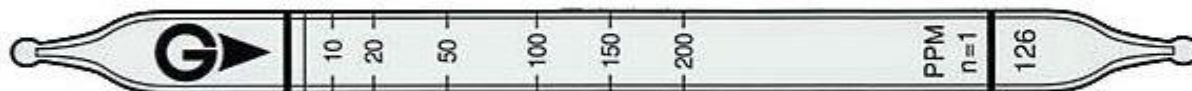


The people with the solutions that protect you and your environment everyday

## Gastec Tube Datasheet

**Chlorobenzene** C<sub>6</sub>H<sub>5</sub>Cl

**No. GAS126**



### Performance

<b>Measuring Range</b>	2 to 5ppm	5 to 200ppm	200 to 500ppm
<b>Number of Pump Strokes</b>	2	1	1/2
<b>Correction Factor</b>	0.4	1	2.5
<b>Sampling Time</b>	1.5 minutes per pump stroke		
<b>Detecting Limit</b>	0.2 ppm (n=2)		
<b>Colour Change</b>	White → Grey		
<b>Reaction Principle</b>	Chlorobenzene reacts with Iodine Pentoxide to liberate Iodine to discolour the reagent to grey. $C_6H_5Cl + I_2O_5 + H_2S_2O_7 \rightarrow I_2$		
<b>Coefficient of Variation</b>	15% (for 5 to 50 ppm), 10% (for 50 to 200 ppm)		
<b>Shelf Life</b>	Up to 3 Years		
<b>Corrections for temperature &amp; humidity</b>	Unnecessary		

Store the tubes at cool and dark place.

### Possible coexisting substances and their interferences

Substance	Concentration	Result	Change colour by itself
Carbon monoxide	≥0.1%	No effect (2layers)	Discolours whole layer
Acetylene, Hexane, Ethylene	≥0.2%	No effect(2 layers)	Discolours whole layer
Alcohols, Ketones	≥1%	Plus error	No discoloration
Esters	≥0.2%	Plus error	No discoloration
Aromatic hydrocarbons	-	Plus error	Discolours to grey

**Calibration gas generation** Diffusion tube method

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