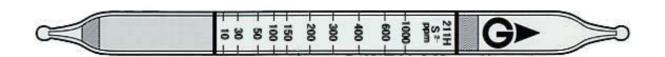


## **Gastec Tube Datasheet**

## Sulphide Ion S<sup>2-</sup>

NO.GAS211H



## **Performance**

Measuring Range	10 to 1000 ppm		
Sampling Time	2 minutes		
Detecting Limit	1 ppm		
Colour Change	White ──► Brown		
Reaction Principle	S <sup>2-</sup> + Pb (CH <sub>3</sub> COO) <sub>2</sub> → PbS		
Coefficient of Variation	10% (for 10 to 100 ppm), 5% (for 100 to 1000 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
CI <sup>-</sup>	<u>≥</u> 500 ppm	Plus error	No discoloration
CrO <sub>4</sub> <sup>2</sup> -	≥15000 ppm	Plus error	No discoloration
CO <sub>3</sub> <sup>2-</sup>	<u>≥</u> 100 ppm	Minus error	Yellow discoloration
SO <sub>3</sub> <sup>2-</sup>	<u>≥</u> 100 ppm	Minus error	No discoloration
S <sub>2</sub> O <sub>3</sub> <sup>2-</sup>	<u>≥</u> 100 ppm	Plus error	No discoloration

 Calibration gas generation
 Sodium Sulphide standard solution

