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Gastec Tube Datasheet

Sulphide Ion S²⁻

NO.GAS211H



Performance

Measuring Range	10 to 1000 ppm
Sampling Time	2 minutes
Detecting Limit	1 ppm
Colour Change	White → Brown
Reaction Principle	$S^{2-} + Pb(CH_3COO)_2 \longrightarrow PbS$
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
Cl ⁻	≥500 ppm	Plus error	No discoloration
CrO ₄ ²⁻	≥15000 ppm	Plus error	No discoloration
CO ₃ ²⁻	≥100 ppm	Minus error	Yellow discoloration
SO ₃ ²⁻	≥100 ppm	Minus error	No discoloration
S ₂ O ₃ ²⁻	≥100 ppm	Plus error	No discoloration

Calibration gas generation Sodium Sulphide standard solution

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