

Standard Measuring Range	: Qualitative 0.1 ppm Arsine and 3 mg org. arsenic/m ³ are the minimum detectable concentrations.
Number of Strokes (n)	: 8 to 16
Time for Measurement	: max. 3 min
Standard Deviation	: ± 50 %
Colour Change	: yellow → grey

Ambient Operating Conditions

Temperature	: 0 to 40 °C
Absolute Humidity	: < 50 mg H ₂ O / L

Reaction Principle

- a) $\text{AsR}_3 + \text{Zn}/\text{HCl} \rightarrow \text{AsH}_3$
b) $\text{AsH}_3 + \text{Au}/\text{Hg-Complex} \rightarrow \text{Au (colloidal)}$

Cross Sensitivity

Phosphine and arsine are indicated before the ampoule is broken, but with different sensitivities.

Additional Information

Arsine is present if a grey ring appears in the indicating layer after performing the first eight pump strokes. If there is no indication, the reagent ampoule must be broken and the liquid of the ampoule transferred to the indication layer so that it is completely saturated. An additional eight pump strokes must be performed to detect the presence of organic arsenic compounds.

