

# Organic Arsenic Compounds and Arsine

Catalog No CH26303

<b>Standard Measuring Range:</b>	Qualitative. 0.1 ppm arsine and 3 mg organic arsenic/m <sup>3</sup> are the minimum detectable concentrations.
<b>Number of Strokes (n):</b>	8 to 16
<b>Time for Measurement:</b>	maximum 3 minutes
<b>Standard Deviation</b>	± 50%
<b>Color Change:</b>	yellow to grey

## Ambient Operation Conditions

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

## Reaction Principle

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

## Cross Sensitivity

Phosphine and arsine are indicated before the ampule 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 ampule must be broken and the liquid of the ampule 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.



# Dräger

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