

Order No.
67 18601

Chloroformates 0.2/b

Standard Measuring Range : 0.2 to 10 ppm
Number of Strokes (n) : 20
Time for Measurement : app. 3 min
Standard Deviation : ± 20 to 30 %
Colour Change : white \rightarrow yellow

Ambient Operating Conditions

Temperature : 10 to 40 °C
Absolute Humidity : 5 to 15 mg H₂O / L

Reaction Principle

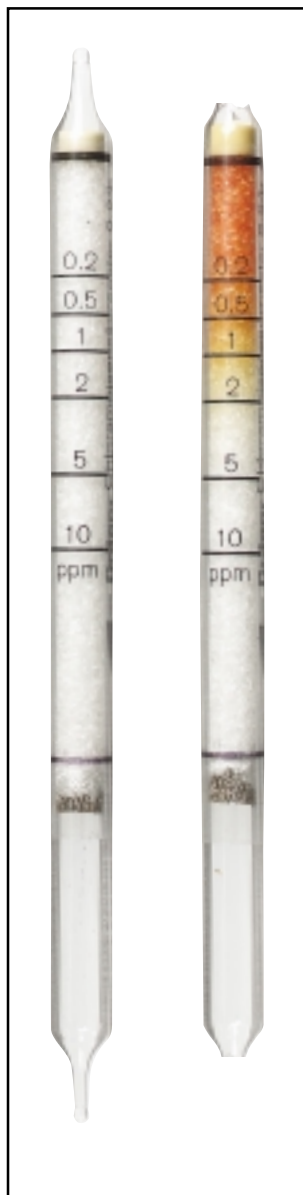
$\text{ClCOOR} + 4\text{-(4-Nitrobenzyl)-pyridine} \rightarrow \text{yellow reaction product}$

Cross Sensitivity

Methyl, ethyl and isopropylchloroformate are indicated with approximately the same sensitivity. It is impossible to differentiate between them.

Petroleum hydrocarbons, aromatics, alcohols and ketones do not interfere in the TLV range.

It is impossible to measure chloroformates in the presence of phosgene.



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