

Order No.
67 28451

Dimethyl Sulphide 1/a

Standard Measuring Range : 1 to 15 ppm
Number of Strokes (n) : 20
Time for Measurement : app. 15 min
Standard Deviation : ± 15 to 20 %
Colour Change : violet \rightarrow yellow brown

Ambient Operating Conditions

Temperature : 15 to 30 °C
Absolute Humidity : < 20 mg H₂O / L

Reaction Principle

$(\text{CH}_3)_2\text{S} + \text{KMnO}_4 \rightarrow \text{Mn}^{\text{IV}} + \text{various oxidation products}$

Cross Sensitivity

Many organic compounds with C=C double bonds are indicated, but with different sensitivities. It is impossible to differentiate them.

Hydrogen Sulphide (H₂S) is indicated with approx. twice of the sensitivity. The tube H₂S 5/b can be used as a pretube. Than it is possible at n = 20 strokes to trapp 30 ppm H₂S.

Methyl mercaptane is indicated with approx. twice of sensitivity.



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