Olefine 0.05%/a

Order No. CH 31 201

Application Range

| Standard Measuring Range: |
|---------------------------|
| Number of Strokes n: |
| Time for Measurement: |
| Standard Deviation: |
| Color Change: |

0.06 to 3.2 Vol.-% Propylene 0.04 to 2.4 Vol.-% Butylene 20 to 1 max. 5 min ± 30 % violet → pale brown

Ambient Operating Conditions

| Temperature: | 0 to 40 °C |
|--------------------|------------------------|
| Absolute Humidity: | < 30 mg $\rm H_2O$ / L |

Reaction Principle

 $\mathrm{CH}_3\text{-}\mathrm{CH}_2\text{-}\mathrm{CH}=\mathrm{CH}_2+\mathrm{MnO_4^-} \rightarrow \mathrm{Mn^{IV}}+\mathrm{various} \text{ oxidation products}$

Cross Sensitivity

Many organic compounds with C=C double bonds are indicated, but with different sensitivities. It is impossible to differentiate between them. It is impossible to measure olefines in the presence of dialkyl sulfides.



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