

# Dimethyl Sulphate 0.005/c

Order No.

67 18701



**Standard Measuring Range** : 0.005 to 0.05 ppm  
Discoloration compared to colour standard.

**Number of Strokes (n)** : 200

**Time for Measurement** : app. 50 min

**Standard Deviation** :  $\pm 30 \%$

**Colour Change** : white  $\rightarrow$  blue

## Ambient Operating Conditions

**Temperature** : 15 to 30 °C

**Absolute Humidity** : 3 to 15 mg H<sub>2</sub>O / L

## Reaction Principle

Dimethyl sulphate + 4-(4-Nitrobenzyl)-pyridine  $\rightarrow$  colourless alkylation product

colourless alkylation product  $\rightarrow$  blue reaction product

## Cross Sensitivity

Phosgene and chloroformates give a yellow discoloration and it is impossible to make a dimethyl sulphate measurement.

Alcohols, ketones, aromatics and petroleum hydrocarbons in the TLV range do not interfere.

## Additional Information

After performing the required 200 pump strokes the reagent ampoule must be broken. The liquid of the ampoule must be transferred to the indication layer and carefully drawn through it using the pump. Wait five minutes before evaluating the indication. The tube must not be left in direct sunlight during the 5 minutes waiting time.

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