

Sulfuric Acid 1/a

Catalog No 6728781

Standard Measuring Range: 1 to 5 mg/m³, discoloration compared to color comparison tube
Number of Strokes (n): 100
Time for Measurement: about 100 minutes
Standard Deviation: ± 30%
Color Change: brown to pink violet

Ambient Operation Conditions

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

Reaction Principle

H₂SO₄ + Barium chloroanilate → Chloranilic acid + BaSO₄

Cross Sensitivity

Sulfur trioxide in the gaseous form is not indicated, but in the presence of atmospheric humidity this forms sulfuric acid aerosols, which are indicated.

Soluble sulphates and other aerosol forming acids are also indicated but with different sensitivities. It is impossible to measure sulfur acid in the presence of these substances.

Additional Information

After performing the required 100 pump strokes the reagent ampule must be broken and the liquid transferred completely onto the brown reagent layer. Wait one minute before drawing the liquid carefully through the brown layer with 1/4 pump stroke into the indication chamber. The measurement must be evaluated immediately!



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