Chromic Acid 0.1/a

Catalog No 6728681

Standard Measuring Range: 0.1 to 0.5 mg/m³, discoloration com-

pared to color standard.

Number of Strokes (n): 40

Time for Measurement: about 8 minutes

Standard Deviation: $\pm 50\%$

Color Change: white to violet

Ambient Operation Conditions

Temperature: 5 to 40°C

Absolute Humidity: < 20 mg H₂O/L

Reaction Principle

a) $CrO_3 + H_2SO_4 \xrightarrow{\cdot} > Cr^{VI}$

b) CrVC+ Diphenylcarbazide ——> CRIII + Diphenylcarbazone

Cross Sensitivity

Metal chromates such as zinc or strontium chromate are indicated with 1/2 the sensitivity.

Trivalent chromium compounds have no influence on the indication.

Very high chromate concentrations lead to a rapid bleaching of the indication (yellow discoloration). If this occurs, the test should be repeated with less than 40 pump strokes.

Additional Information

After performing the required 40 pump strokes the reagent ampule must be broken. The liquid of the ampule must be transferred to the indication layer and carefully drawn through it using the pump.



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DeMotte, IN 46310
800.952.3293 • 219.987.6825 • fax 219.987.6826
www.afcintl.com • sales@afcintl.com

