

REF 985636

Robot

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Test 0-36

05.17

NANOCOLOR[®] COD LR 150

Chemical Oxygen Demand

Method:

Photometric determination of decrease in chromate concentration after oxidation with potassium dichromate / sulfuric acid / silver sulfate

Range:	3–150 mg/L COD
Wavelength (HW = 5–12 nm):	436 nm
Reaction time:	2 h
Reaction temperature:	150 °C

Contents of reagent set:

20 test tubes COD LR 150

Hazard warning:

Test tubes contain sulfuric acid 80.00–98.00 %, potassium dichromate 0.00–0.10 % and mercury(II) sulfate 0.74–1.50 %.

H314, H317 Causes severe skin burns and eye damage. May cause an allergic skin reaction
P260, P280, P303+361+353, P305+351+338, P310 Do not breathe dust/vapors. Wear protective gloves/eye protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. For further information ask for a safety data sheet. When shaking COD test tubes use safety bottle (REF 91637).

Interferences:

For **chloride contents above 2000 mg/L** the test sample must be diluted or use Chloride complexing agent (REF 918911). For determination of the concentration of chlorides we recommend a preliminary test with QUANTOFIX[®] Chloride (REF 91321).

Turbidity in the COD test tube after reaction in the heating block will result in COD readings which are too low. Wait until turbidities caused by precipitation of mercury sulfate have deposited.

The method cannot be applied for the analysis of sea water.

Analytical quality control:

NANOCONTROL COD 160 (REF 92526) or Multistandard Sewage outflow 1 (REF 925011)

Storage:

Store the test kit in a cool and dry place. Avoid exposing the test kit to sunlight.