**REF 985 035**

# Test 0-35 10.16
# *NANOCOLOR*® DEHA 1

en

**Method:**
Measurement of the reduction properties of diethylhydroxylamine (DEHA) for iron(III) ions after heating for 15 min to 100 °C and photometric determination of the iron(II) ions formed

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|---|---|
| Range: | **0.05–1.00 mg/L DEHA** |
| Wavelength (HW = 5–12 nm): | **540 nm** |
| Reaction time: | **15 min** at 100 °C |
| Colour reaction: | **10 min** at 20–25 °C |

**Contents of reagent set:**
20 test tubes DEHA 1
1 tube *NANOFIX* DEHA 1 R2
1 test tube with blank value "NULL"

**Hazard warning:**
Test tubes contain acetic acid 10–25 %.
For further information ask for a safety data sheet.

**Interferences:**
Iron(II) ions interfere. This interference can be taken into account by producing a second value **without** heating for 15 min and subtracting this value from the result.

The method can also be applied for the analysis of sea water.

**Procedure:**
Requisite accessories: *NANOCOLOR*® heating block, piston pipette with tips

Open test tube, add
**4.0 mL** test sample *(the pH value of the sample must be between pH 6 and 8)*, screw cap back on to test tube, shake. Place tube in heating block and heat at 100 °C for 15 min.
After 15 min remove test tube from heating block and allow to cool down to room temperature.
Add
**1** ***NANOFIX*** R2, mix.
Clean outside of test tube and measure after 10 min.

**Measurement:**
For MACHEREY-NAGEL photometers see manual, test 0-35.

**Photometers of other manufacturers:**
For other photometers check whether measurement of round glass tubes is possible. Verify factor for each type of instrument by measuring standard solutions.

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