

REF 985 669

Robot

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Test 6-69

06.16

NANOCOLOR[®] Nitrite 4**Method:**Photometric determination with sulfanilamide and *N*-(1-naphthyl)ethylenediamine

Range:	0.1–4.0 mg/L NO₂-N	0.3–13.0 mg/L NO₂⁻
Wavelength (HW = 5–12 nm):	540 nm	
Reaction time:	15 min (900 s)	
Reaction temperature:	20–25 °C	

Contents of reagent set:

20 test tubes Nitrite 4

1 x 100 mL Nitrite A

Hazard warning:

This tube test does not contain any harmful substances which must be specially labelled as hazardous.

Preliminary tests:If the order of magnitude of the concentration in a sample is not known, a preliminary test with QUANTOFIX[®] Nitrite (1–80 mg/L NO₂⁻, REF 913 11) rapidly gives this information. From the order of magnitude the required dilution can be calculated and prepared directly.**Interferences:**

Free chlorine, organic colloids and humic acids can cause interferences.

The following ions will not interfere:

< 1000 mg/L Ca²⁺, Cr(III), Cu²⁺, Fe³⁺, Mg²⁺, Mn²⁺, Ni²⁺, Zn²⁺, Cl⁻, NO₃⁻, PO₄³⁻, SO₄²⁻

< 10 mg/L Cr(VI)

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

Note:*For removal of emulsions, turbidities and colour prior to the test, e.g. for nitrite in cooling lubricants, seepage water from waste deposits etc., use Reagents for sample preparation by clarification precipitation (REF 918 937).***Analytical quality control:**

NANOCONTROL Nitrite (REF 925 68)

Dilute 100+ addition solution with distilled water (1+1): 2.1 mg/L NO₂-NConfidence interval: 1.9–2.3 mg/L NO₂-N**Reference:**

German standard methods for the examination of water, waste water and sludge (DIN EN 26 777-D10)