

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



OPTICS 1000 - HYDRAZINE HYDRAZINE (N₂H₄)

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Optics 1000 Series

HYDRAZINE (N2H4)

Method - Colorimetric

After adding the sample into the measurement cell, some reagents are added in order to adjust the solution to the desired conditions (pH, valence's elements, etc.). Then, a blank is done to correct any temperature or turbidity disturbance. Subsequently, a last reagent is added, and it reacts with solution developing a color, which is measured using a correct wavelength. Thanks to the photometer used, the result achieves a great accuracy.



Principle of measurement

There is a direct coupling of the carbonyl group of the 4-aminobenzaaldehyde with the NH₂ group of the hydrazine to form a yellow colored complex.



Advantages of the method

The method is very simple requiring but a single reagent, which is specific for hydrazine. Keeping the reagent in an amber container, which will not transmit UV light, the reagent is stable for at least a month.



Specifications

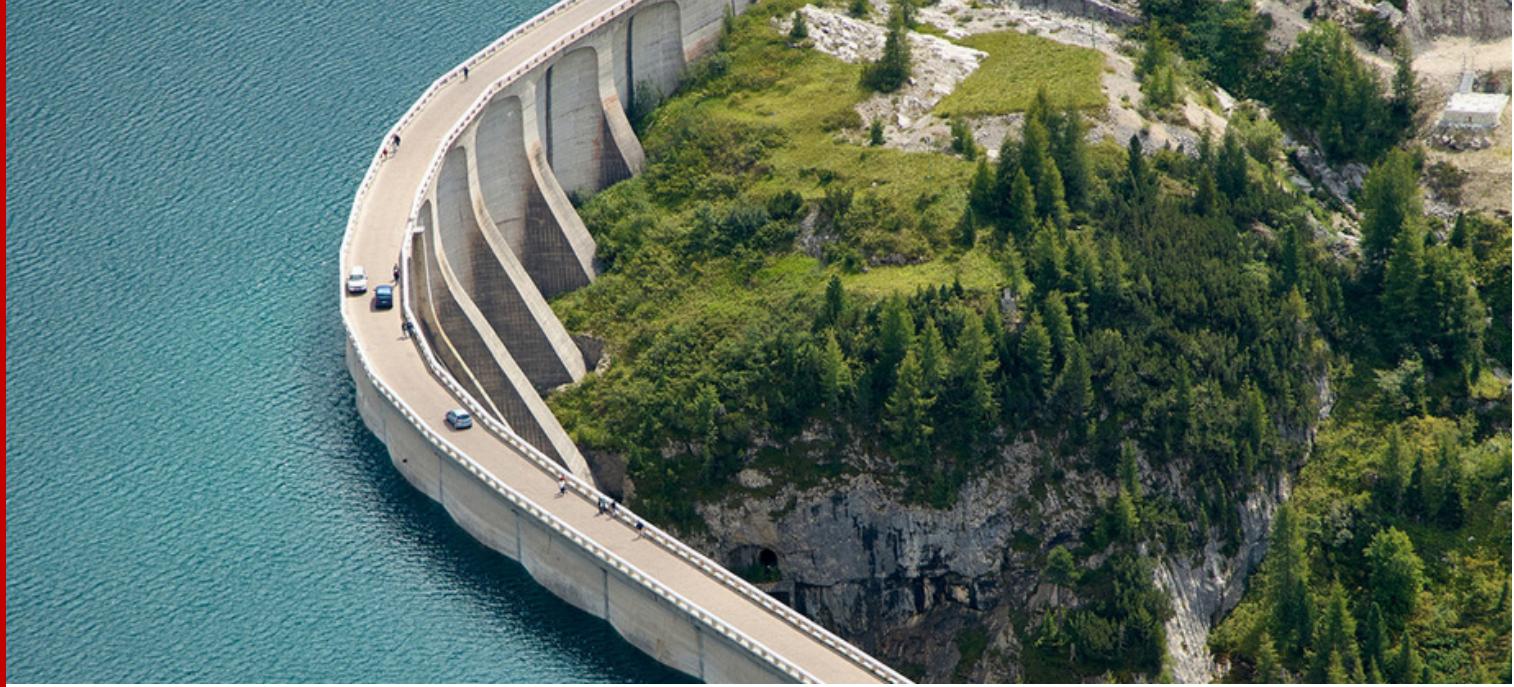
RANGE	From 0 to 100 ppb. Adjustable higher concentrations with internal dilution.
ACCURACY	±2%
REPEATABILITY	±2%
ANALYSIS TIME	around 18 minutes
RESOLUTION	0.1 ppb
CALIBRATION	two point
LED WAVELENGTH	450 nm

Reagents consumption

- Reagent 1: 2.5 ml / analysis - 2.0L / month

Monthly consumption calculated assuming 1 analysis per hour.



**Note -**

This data sheet serves as general information about the Optics 1000 - HYDRAZINE (N2H4). For specific technical details, installation guidelines, and troubleshooting assistance, please refer to the official user manual provided with the product.

For inquiries and detailed technical information, please contact sales@advanceanalytik.com.



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Let's work together to find a solution that
works for you



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