PRODUCT
DATASHEET '24

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS

OPTICS 1000 - NICKEL

NICKEL (Ni)

www.advanceanalytik.com
sales@advanceanalytik.com

Optics 1000 Series

NICKEL (Ni)

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

An acetate buffer is used to achieve the optimal pH conditions in order Br-PADAP could react with Nickel, forming an intense pink color proportional to Nickel concentration.

Advantages of the method

The pink color that is formed could stain the measurement cell, interfering on the following analysis, but thanks to the cleaning solution used by the Instran, this possible interference is removed.

made in HUNGARY

ADVANCE ANALYTIK

Interferences

Cobalt

Specifications

RANGE	From 0 to 250 ppb / 500 ppb / 1000 ppb. Adjustable higher concentrations with internal dilution.
ACCURACY	±2%
REPEATABILITY	±2%
RESOLUTION	0.1 ppb
ANALYSIS TIME	around 15 minutes
CALIBRATION	two point
LED WAVELENGTH	545 nm

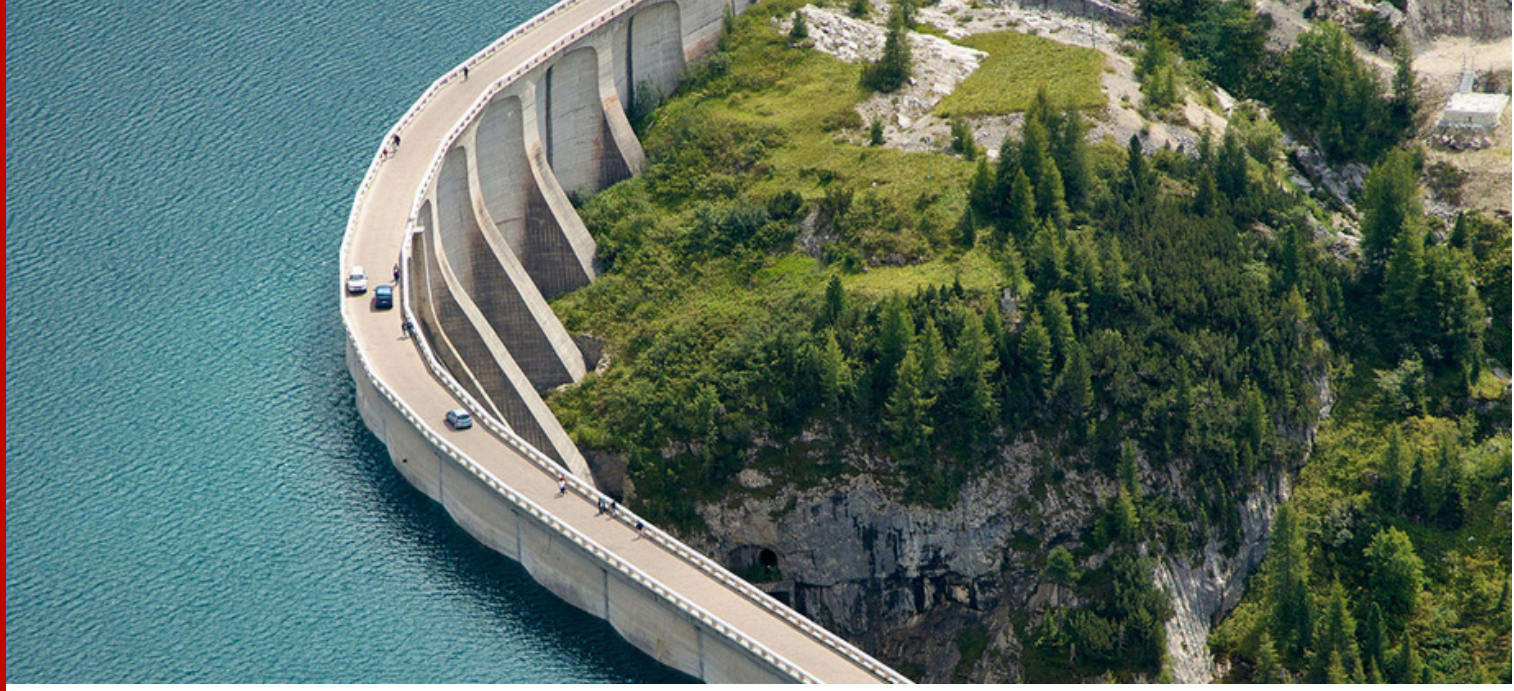
Reagents consumption

- Reagent 1: 0.5 ml / analysis - 0.5L / month
- Reagent 2: 0.5 ml / analysis - 0.5L / month
- Reagent 3: 1.35 ml / analysis - 1.0L / month

Monthly consumption calculated assuming 1 analysis per hour

made in HUNGARY

IP68 RoHS CE TÜVRheinland CERTIFIED



Note –

This data sheet serves as general information about the Optics 1000 - NICKEL (Ni) . 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.

LET'S CONNECT !

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

Contact Us :

+36 70328 6862

1132, Budapest Váci ut 16 Faz 12. ajto

https://advanceanalytik.com

sales@advanceanalytik.com

made in HUNGARY