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## ISO 7027:1999 Water quality - Determination of turbidity

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Abbreviation

ISO 7027:1999

Valid from

16/12/1999

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Information provider

Standards New Zealand

Author

International Organization for Standardization

Information type

ISO Standard

Format

PDF

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Cited By

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**Description**

This standard specifies four methods for the determination of the turbidity of water.

**Scope**

This International Standard specifies four methods for the determination of turbidity of water.

Two semiquantitative methods, employed for example in field work, are specified:

- a) measurement of turbidity using the transparency testing tube (applicable to pure and lightly polluted water);
- b) measurement of turbidity using the transparency testing disk (especially applicable to surface water).

Two quantitative methods, using optical turbidimeters, are specified:

- c) measurement of diffuse radiation, applicable to water of low turbidity (for example drinking water); Turbidity measured by this method is expressed in formazin nephelometric units (FNU); results typically range between 0 FNU and 40 FNU. Depending on the instrument design, it may also be applicable to waters of higher turbidity.
- d) measurement of the attenuation of a radiant flux, more applicable to highly turbid waters (for example waste or polluted waters). Turbidity measured by this method is expressed in formazin attenuation units (FAU); results typically range between 40 FAU and 4000 FAU.

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- [AS/NZS 4020:2005](#)

ISO 7027:1999 is cited by AS/NZS 4020:2005 Testing of products for use in contact with drinking water

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