



**National Metrological Specifications of  
the People's Republic of China  
中华人民共和国国家计量检定规程**

JJG 880-2006

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**Turbidimeters  
浊度计**

**Issued on September 06, 2006**

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**Issued by State Administration for Quality Supervision and Inspection  
and Quarantine**

# Verification Regulation of Turbidimeters

**JJG 880—2006**

Replacing JJG 880—1994

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The regulation is approved by General Administration of Quality Supervision, Inspection and Quarantine on September 6, 2006 and comes into force from March 6, 2007.

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# Verification Regulation of Turbidimeters

## 1 Scope

The regulation applies to initial verification, subsequent verification and in-use verification of desktop and portable typhoelectric turbidimeters for laboratory and field service that are displayed through Formazine turbidity unit and the display results can be converted into Formazine turbidity unit.

## 2 References

Following references apply to this specification:

JJF 1001-1998 General Terms in Metrology and Their definitions

JJG 1015-2002 General Norm for Pattern Evaluation and Pattern Approval of Measuring Instruments

ISO 7027: 1999 Water quality- Determination of turbidity.

## 3 Terms and unit of measurement

Formazine —— Chinese translated name of Formazine;

The regulation adopts Formazine turbidity standard specified in International Standard ISO7027 issued by International Standard Organization and adopts the “Unit” used in this standard as turbidity measurement unit. According to different measurement modes, there are mainly following turbidity units determined based on measurement standard of Formazine standard solution.

"FAU" (Formazine Attenuated Unit)——Formazine light attenuation measurement unit;

“FNU” (Formazine Nephelometric Unit) —— Formazine light scattering measurement unit;

NTU (Nephelometric Turbidity Unit) —— light scattering turbidity unit;

FTU (Formazine Turbidity Unit) —— Formazine turbidity unit;

EBC (European Brewery Convention)—— European brewing industry turbidity unit;

ASBC (American Society Brewing Chemists)—— American brewing industry turbidity unit.

Relations between these units are as follows:



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