

ICS 13.060.45

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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 6910-2026**

Replacing GB/T 6910-2006

**Analysis methods for boiler water and cooling water -  
Determination of calcium - Complexometric titration**

锅炉用水和冷却水分析方法 钙的测定 络合滴定法

**Issued on: April 30, 2026**

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### 7 Result Calculation and Representation

The calcium ion content in the water sample is calculated according to formulas (1) to (4).

### 8 Precision

In the same laboratory, by the same operator using the same equipment, following the same testing methods, and within a short period of time, the same test object is subjected to... The absolute difference between two independent test results obtained from mutually independent tests shall not exceed the repeatability limit ( $r$ ); otherwise, the test results shall not be considered valid. If the value exceeds 5%, the repeatability limit ( $r$ ) is calculated according to formulas (5) to (7). In different laboratories, by different operators using different equipment, following the same testing methods, and independently testing the same object... The absolute difference between two independent test results obtained from the test shall not exceed the reproducibility limit ( $R$ ), and the number of cases exceeding the reproducibility limit ( $R$ ) shall not exceed [a certain threshold]. 5%, the reproducibility limit ( $R$ ) is calculated according to formulas (8) to (10).

### 9 Test Report

The test report should include at least the following information.

- Please indicate the document number;
- Name of the water sample, sampling date, etc.;
- Testing methods used;
- Experimental Results;
- Abnormal phenomena observed during the experiment;