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HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6431-2025

**Fast determination of multielement content in sludge and
corrosion products of industrial circulating cooling water -
X-ray fluorescence spectrometry
(English Translation)**

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What this standard covers

This standard specifies a method for rapidly determining the content of multiple elements in fouling and corrosion products of industrial circulating cooling water using energy-dispersive X-ray fluorescence spectrometry (EDXRF). This standard is applicable to the rapid determination of elements such as sodium, potassium, silicon, phosphorus, sulfur, magnesium, aluminum, calcium, iron, copper, zinc, manganese, nickel, chromium, titanium, molybdenum, vanadium, niobium, barium, and strontium in fouling and corrosion products of industrial circulating cooling water and boiler water systems when the content is greater than 0.01%.

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