

ICS 13.060
CCS Z 16

HJ

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

HJ 486-2009

Replacing GB/T 7473-1987

**Water quality. Determination of copper. 2, 9-Dimethy-1,
10-phenanthroline spectrophotometric method**

水质 铜的测定 2, 9-二甲基-1, 10-菲啰啉分光光度法

(English Translation)

Issued on: September 27, 2009

Implemented on: November 1, 2009

Issued by: Ministry of Ecology and Environment

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What this standard covers

This standard specifies the determination of water soluble copper and total copper 2, 9 dimethyl-1, 10 phenanthroline photometric method and direct extraction method. Direct spectrophotometric method for cleaner surface and ground water soluble copper and total copper determination. When using a 50mm colorimetric blood sample volume of 15ml, the detection limit of copper in water 0. 03mg/L, detection limit of 0. 12mg/L, measured a maximum of 1. 3mg/L. Extraction Spectrophotometry for surface water, groundwater, sewage and industrial waste water soluble copper and total copper determination. When using a 50mm cuvette, the sample volume is 50ml, the copper detection limit of 0. 02mg/L, detection limit of 0. 08mg/L. When using a 10mm colorimetric blood sample volume of 50ml, the determination limit of 3. 2mg/L.

Document data

International classification (ICS): 13.060.

Chinese classification (CCS): Z16.

Estimated length of the Chinese original: 12,128 words.

Supersedes the earlier edition GB/T 7473-1987.