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ICS 13.060
CCS Z 16

SL

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SL/T 788.5-2019

Water quality. Determination of chromium(VI)

(English Translation)

Issued on: November 6, 2019 **Implemented on: February 6, 2020**

Issued by: Ministry of Water Resources of the People's Republic of China

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1 Foreword

SL/T 788.5-2019 was issued by Ministry of Water Resources of the People's Republic of China on 6 November 2019 and has been in force since 6 February 2020.

It is one of 5 parts of the SL/T 788 series.

The SL/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the method for the determination of hexavalent chromium in water using a continuous flow analyzer. This standard applies to the determination of hexavalent chromium in surface water, groundwater, drinking water, domestic sewage and industrial wastewater. When the detection optical path is 10mm, the detection limit of hexavalent chromium in water is 0.001mg/L (calculated as Cr), and the measurement range is 0.004~0.100mg/L. For samples with a concentration higher than the upper limit of the

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method, the measurement can be carried out after appropriate dilution.

SL/T 788.5-2019 falls under ICS 13.060, in the field of environment and health protection, safety.

This catalogue holds 14 other SL/T standards in that field.

In this catalogue, SL/T standards carry edition years from 1994 to 2026.

3 About this standard

Issued by: Ministry of Water Resources of the People's Republic of China

English translation: about 7 pages

Chinese original: about 9,931 characters

4 Related standards

Other parts of this standard:

SL/T 788-2019 - Water quality-Determination of total nitrogen, volatile phenols, sulfides, anionic surfactants and hexavalent chromium-Continuous flow analysis-spectrophotometric method

SL/T 788.2-2019 - Water quality -- Determination of volatile phenolic compounds

SL/T 788.3-2019 - Water quality -- Determination of sulfide

SL/T 788.4-2019 - Water qualit -- Determination of anionic surfactants

Standards on related subjects:

HJ 915-2017 - Technical specifications for automatic monitoring of surface water (Trial)

HJ 828-2017 - Water quality - Determination of the chemical oxygen demand - Dichromate method

HJ 694-2014 - Water Quality - Determination of Mercury, Arsenic, Selenium, Bismuth and Antimony - Atomic Fluorescence Spectrometry

5 Classification and status

International classification (ICS): 13.060

Chinese Standard Classification (CCS): Z 16

Prefix SL/T: recommended standard.

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