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

**GB/T 18916.4-2022**

Replacing GB/T 18916.4-2012

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**Norm of water intake - Part 4: Dyeing and finishing of textile  
industrial product**

取水定额 第4部分：纺织染整产品

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### Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. This document is part 4 of GB/T 18916 "Water Withdrawal Quota". GB/T 18916 has released the following parts.

- 1. Thermal power generation;
- 2. Iron and steel complexes;
- 3. Petroleum refining;
- 4. Textile dyeing and finishing products;
- 5. Paper products;
- 6. Beer manufacturing;
- 7. Manufacture of alcohol;
- 8. Synthetic ammonia;
- 9. Sodium glutamate (monosodium glutamate);
- 10. Chemical pharmaceutical products;
- 11. Coal preparation;
- 12. Alumina production;

### 1 Scope

GB/T 18916.4-2022 is the Chinese national standard on norm of water intake - part 4: dyeing and finishing of textile industrial product, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory

by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 11 July 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2022. Classification: ICS 13.060.25, CCS P41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the calculation method, water intake quota and quota management requirements for textile dyeing and finishing products. This document is applicable to the management of the water intake of existing, newly-built, renovated and expanded enterprises that dye and finish cotton, chemical fiber and blended materials.

## 2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 12452 General Rules for Water Balance Test

GB/T 18820 General Rules for the Compilation of Water Intake Quotas for Industrial Enterprises

GB/T 21534 Terms of Water Conservation

GB/T 24789 General rules for the provision and management of water measuring instruments for water units

## 3 Terms and Definitions

Terms and definitions defined in GB/T 18820 and GB/T 21534 apply to this document.

3.1 The chemical treatment-based process of textile materials (fibers, yarns, threads and fabrics).

Note. Including pretreatment, dyeing, printing, finishing and other processes.

### 4.1 General provisions

4.1.1 Scope of water intake The scope of water withdrawal refers to the amount of water extracted by enterprises from various conventional water sources, including surface water (measured by water supply from water purification plants), groundwater, urban Water supply projects in the town, as well as other water or water products (such as steam, hot

water, geothermal water, etc.) purchased by the enterprise from the market.

4.1.2 Scope of water intake and supply The supply range of water intake for textile dyeing and finishing products, including main production (pretreatment, dyeing, printing, finishing, etc.), auxiliary production (soft water station, boiler room, air compressor station, sewage station, waste gas treatment facilities, etc.) and subsidiary production (office building, canteen, bathroom, dormitory in the factory, greening in the factory) Wait).

4.2 Water intake per unit product The water intake per unit product is calculated according to formula (1).