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

GB/T 18916.53-2021

Norm of water intake - Part 53: Sugar

取水定额 第53部分：食糖

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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" Drafting. This document is part 53 of GB/T 18916 "Water withdrawal quota". GB/T 18916 has released the following parts.

- 1. Thermal power generation;
- 2. Iron and Steel Complex;
- 3. Petroleum refining;
- 4. Textile dyeing and finishing products;
- 5. Paper products;
- 6. Beer manufacturing;
- 7. Alcohol manufacturing;
- 8. Synthetic ammonia;
- Part 9: MSG manufacturing;
- 10. Pharmaceutical products;
- 11. Coal preparation;
- 12. Alumina production;

1 Scope

GB/T 18916.53-2021 is the Chinese national standard on norm of water intake - part 53: sugar, 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 21 May 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2021. 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 stipulates the calculation method of the sugar intake quota, the intake quota and quota management requirements. This document is applicable to the management of water intake of existing, newly built and expanded sugar manufacturing enterprises.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB/T 12452 General Rules for Enterprise Water Balance Test

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

GB/T 21534 Industrial water and water saving terms

GB 24789 General Rules for the Provision and Management of Water Measuring Instruments for Water Use Units

3 Terms and definitions

The following terms and definitions defined in GB/T 18820 and GB/T 21534 apply to this document.

3.1 Sugar Using sugar (sugar cane, sugar beet, raw sugar) as raw materials, processed by processes such as extracting juice (dissolving sugar), cleaning, evaporation, crystallization, and honey separation product.

3.2 Quantity of water intake for per ton of sugar Each ton of sugar produced by an enterprise needs to extract water from various conventional water sources.

4.1 General rules

4.1.1 Scope of water withdrawal The scope of water withdrawal refers to the amount of water extracted by the company from various conventional water sources, including surface

water (measured by water purification plant water supply), groundwater, The amount of water in urban water supply projects and other water or water products (such as steam, hot water, purified water, etc.) purchased by enterprises from the market.

4.1.2 Supply range of water intake The scope of supply of sugar water intake includes. main production (using sugar (sugar cane, beet, raw sugar) as raw materials, after extracting juice (dissolving sugar), cleaning, Evaporation, crystallization, honey separation and other processes are processed into the whole process of sugar production], auxiliary production (including laboratory, machine repair, air compressor station, etc.) and auxiliary production