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CCS P41



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

GB/T 18916.9-2022

Replacing GB/T 18916.9-2014

Norm of water intake - Part 9: Monosodium L-glutamate

取水定额 第9部分：谷氨酸钠（味精）

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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 9 of GB/T 18916 "Water Intake 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 18916.9-2022 is the Chinese national standard on norm of water intake - part 9: monosodium l-glutamate, 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 sodium glutamate (monosodium glutamate) water intake quota. This document is applicable to the management of water intake in existing, newly built and renovated and expanded sodium glutamate (monosodium glutamate) manufacturing enterprises.

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 8967 Sodium glutamate (monosodium glutamate)

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 8967, GB/T 18820 and GB/T 21534 apply to this document.

4.1 General provisions

4.1.1 Scope of water intake 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, and And the water volume of other water or water products (such as steam, hot water, purified water, etc.) purchased by the enterprise from the market.

4.1.2 Scope of water intake and supply The supply scope of the water intake for the manufacture of sodium glutamate (monosodium glutamate) includes. main production (fermentation, extraction, refining and other processes), auxiliary production (including Machine repair, boiler, sewage treatment station, inspection, transportation, etc.) and subsidiary production (including office buildings, bathrooms, canteens, toilets, etc.).

4.2 unit sodium glutamate (monosodium glutamate) product water intake The water intake per unit of sodium glutamate (monosodium glutamate) product is calculated according to formula (1). $V = V_i (1)$ where. V

--- unit sodium glutamate (monosodium glutamate) product water intake, the unit is cubic meters per ton (m^3/t);