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

GB/T 18916.61-2022

Norm of water intake - Part 61: Lysine salt

取水定额 第61部分：赖氨酸盐

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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 for Standardization Documents" drafting. This document is part 61 of GB/T 18916 "Water Intake Quota". GB/T 18916 has issued the following parts.

--- Part 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;

9. Monosodium glutamate (MSG);

10. Chemical and pharmaceutical products;

11. Coal preparation;

12. Alumina production;

1 Scope

GB/T 18916.61-2022 is the Chinese national standard on norm of water intake - part 61: lysine salt, 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 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2023. 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 lysine salt water intake quota. This document is applicable to the management of water intake of existing, new and expanded lysine salt manufacturing enterprises.

2 Normative references

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

GB/T 12452 Water Balance Test General Rules

GB/T 18820 General rules for establishment of water intake quotas for industrial enterprises

GB/T 21534 Water Conservation Terminology

GB/T 24789 General Rules for Equipping and Management of Water Measuring Instruments for Water Units

3 Terms and Definitions

The terms and definitions defined in 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 Water supply scope The scope of water supply for lysine salt production includes. main production (fermentation, extraction, refining, etc.), auxiliary production (including machine repair, pot Furnace, sewage treatment station, inspection, transportation, etc.) and

auxiliary production (including office buildings, bathrooms, canteens, toilets, etc.).

4.2 Water intake per unit of lysine salt product The unit lysine salt product water intake is calculated according to formula (1). $V = \sum V_i$ In the formula. V

--- water intake per unit of lysine salt product, the unit is cubic meter per ton (m^3/t); V_i

---The total amount of water taken during the production process within a certain measurement period, the unit is cubic meters (m^3);