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

GB/T 30900-2025

Replacing GB/T 30900-2014

Slag agglomerate of LF refining furnace for steelmaking

炼钢用LF炉精炼渣团块

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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 replaces GB/T 30900-2014 "LF furnace refined slag agglomerates for steelmaking". Compared with GB/T 30900-2014, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows.

- a) Added requirements for low silicon and low sulfur steel grades (see Table 1);
- b) Added other element restrictions (see Table 1);
- c) The drop height has been changed (see 4.4, Table 1 of the 2014 edition);
- d) Added requirements for impurities (see 4.6);
- e) Added environmental protection requirements for the use process (see 4.7);
- f) Factory inspection and type inspection have been added (see 7.2 and 7.3);
- g) The regulations on the deviation between the actual bag weight and the marked weight have been changed (see 8.1, 7.1 of the 2014 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Iron and Steel Association.

This document is under the jurisdiction of the National Technical Committee on Steel Standardization (SAC/TC183).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2014 as GB/T 30900-2014;
- This is the first revision.

1 Scope

This document specifies the technical requirements, test methods, inspection rules, packaging, storage and quality certification of LF furnace refined slag agglomerates for steelmaking. Ming book.

This document applies to LF furnace refined slag agglomerates (hereinafter referred to as agglomerates) used as steelmaking fluxes, slagging agents, desulfurizers, etc.

2 Normative references

GB/T 2007.1

GB/T 2007.2

GB/T 2007.7

GB/T 3286.1

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Auxiliary raw materials

It is used to improve the properties and composition of the refined slag system during the molten steel smelting process, has a certain shape and strength, and is formed by pressing or pre-melting.

3.2 low-silicon steel

A steel grade with a relatively low silicon content. Broadly speaking, it refers to a steel grade with a silicon content of less than 0.03%.

Note. This type of steel has a wide range of uses, mainly in the fields of automobile manufacturing, construction industry, machinery manufacturing, welding structures, electronic appliances, etc.

3.3 low-sulfur steel

Steels with lower sulfur content generally have a sulfur content of 0.005% to 0.01%.

4 Technical Requirements

4.1 The chemical composition of the agglomerates shall comply with the requirements in Table 1.