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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 131-2022

**Assessment requirement for green steel products
(English Translation)**

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Reference

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:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

In today's society, green and low-carbon development has become an important trend: The iron and steel industry is a typical resource- and energy-intensive industry:

A key area for green and low-carbon development: The implementation of green steel product evaluation can effectively promote steel enterprises to carry out green technologies such as energy saving and emission reduction:

Improve the quality level of green steel supply in the market, promote structural optimization and green, low-carbon and high-quality development of the steel industry, and help the steel industry the green transformation of the industry and the early realization of the double carbon target:

This document clarifies the concept of green steel products, aiming at long-process steel products with coking (optional), sintering/pelletizing, ironmaking, steelmaking, and steel rolling Iron production enterprises, with the principle of green high-end leadership, have established a green steel product evaluation index system, and given the evaluation criteria for green steel products:

The aim is to provide a basis for the certification of green steel products and provide technical support for the country to implement green product label certification and green building certification:

support: This document focuses on the evaluation of green steel products of ordinary carbon steel and low alloy steel, other types of steel can also refer to this document evaluate:

Evaluation requirements for green steel products

1 Scope

This document specifies the basic requirements, evaluation methods, evaluation content and evaluation results of green steel product evaluation:

This document is applicable to the evaluation of green steel products of iron and steel complexes:

2 Normative references

The content in the following documents constitutes the essential provisions of this document through normative references in the text: Among them, dated references, Only the version corresponding to the date applies to this document; for undated references, the latest version (including all amendments) applies to this document:

GB 12348 Environmental Noise Emission Standard for Industrial Enterprise Boundary GB 13456 Discharge Standard of Water Pollutants for Iron and Steel Industry GB 16171 Pollutant Discharge Standard for Coking Chemical Industry GB 18597 Hazardous Waste Storage Pollution Control Standard GB/T 18916.2 Water intake quota Part 2: Iron and steel complex GB 28662 Emission Standard of Air Pollutants for Iron and Steel Sintering and Pelletizing Industry GB 28663 Emission Standard of Air Pollutants for Ironmaking Industry GB 28664 Emission Standard of Air Pollutants for Steelmaking Industry GB 28665 Emission Standard of Air Pollutants for Steel Rolling Industry GB/T 32151.5 Greenhouse gas emission accounting and reporting requirements Part 5: Iron and steel production enterprises GB/T 33000 Enterprise safety production standardization basic norms GB 50672 Code for process design of comprehensive sewage treatment plants for iron and steel enterprises GBZ 2.1 Occupational Exposure Limits for Hazardous Factors in the Workplace Part 1: Chemical Hazardous Factors GBZ 2.2 Occupational Exposure Limits for Hazardous Factors in the Workplace Part 2: Physical Factors

3 Terms and Definitions

The following terms and definitions apply to this document:

green steel product in the different links of product raw material acquisition, production, use, and disposal, it has the characteristics of "resource saving, energy saving, environmental friendliness, non-toxic and non-toxic" Steel products that meet the product performance and safety requirements with the characteristics of "hazardous and recycling":

carbon emission per ton of steel the amount of greenhouse gases emitted per ton of steel produced during the statistical period, converted into the amount of carbon dioxide:

Production water reuse rate waterrecycleratio Within a certain measurement period, the percentage of the repeated water consumption used in the production process of the enterprise to the total water consumption: