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CCS C70



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

GB/T 17397-2012

Replacing GB/T 17397-1998

**Regulations for dust and poison control of aluminium
electrowinning**

铝电解生产防尘防毒技术规程

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Quarantine of the People's Republic of China;
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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Design
- 4.1 General Requirements

Foreword

This standard GB/T 1.1-2009 "Standard Operating Guidelines - Part 1. Standard structure and writing" requirement be written. This standard replaces GB/T 17397-1998. This standard and GB/T 17397-1998 compared to the main changes are as follows:

--- Modify the scope of the original standard;

--- Modify the "reference standard 2" content. The title was changed to "

2 Normative references", updated the original normative standard lead With the file, and adds some new normative references;

--- The "3 definition of" to "

3 Terms and Definitions", delete the definition of "pollution index", adding "pneumatic conveying" and "safe colors" Two definitions;

4 Basic requirements" to "4 design" part of the terms of modifications and additions content;

--- Modify, and delete the "Technical Measures 5" part of the terms, and adds several new provisions;

--- Modify, and delete the "6 ventilation purification system settings" part of the terms, and adds several new provisions;

--- Modifications and additions of the "7 management" part of the terms. This standard was proposed by the State Administration of Work Safety. This standard by the National Safe Production Standardization Technical Committee of dust and poison Technical Committee (SAC/TC288/SC7) centralized. This standard was drafted. Beijing University of Technology, China Aluminum Co., Ltd., Beijing General Research Institute of Mining and Metallurgy. The main drafters of this standard. Xie Zhenhua, Zheng Baoyi, Sun Kai, LI Yun-qing, Ruan Jinliang, Larry Wood, Li Xiaoping. This standard replaces the standards previously issued as follows:

--- GB/T 17397-1998. Production of aluminum dust and poison technical regulations

1 Scope

GB/T 17397-2012 is the Chinese national standard on regulations for dust and poison control of aluminium electrowinning, 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 29 June 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 March 2013. Classification: ICS 13.100, CCS C70. 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 standard specifies the production of aluminum dust and poison design requirements, technical measures and management requirements. This standard applies to aluminum reduction plant design, production of aluminum dust and poison control measures and management.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this standard. GB 2893 safety colors

GB 2894 safety signs and use guidelines

GB/T 11651 Personal protective equipment selection specification

GB 16297 Air Pollutant Emission Standards

GB/T 18664 respirator selection, use and maintenance

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Pneumatic conveying pneumaticconveyance The use of constant speed air make granular materials in the pipeline along the route designating a movement of the fluid pipeline manner.

3.2 Safety colors safetycolours Information transfer security implications of colors, including

red, blue, yellow, green, four colors. [GB 2893-2008, Definition 3.1]

4.1 General Requirements

4.1.1 Aluminum Electrolytic construction projects should configure the dust and poison control facilities, dust and poison control facilities should be based on natural ventilation wind workshop, Jan Fugitive dust and poison nature, location and number of work points and work methods to design, and with the main project designed, constructed, And put into production and use.

4.1.2 optimize the process, reduce the toxic dust generated Priority using the advanced production technology and equipment, improve the production process tightly closed, Mechanization and automation level.

4.1.3 Where introduced from abroad sets of technology and equipment, while the introduction or should complete the appropriate dust anti-virus technology and equipment.

4.1.4 dust and poison control facilities should ensure the workplace environment and the concentration of pollutants should meet national health standards and requirements of GB 16297.