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**NONFERROUS METALS INDUSTRY STANDARDS OF
THE PEOPLE'S REPUBLIC OF CHINA**

中华人民共和国有色金属行业标准

YS/T 582-2012

Replacing YS/T 582-2006

Battery grade lithium carbonate

电池级碳酸锂

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Foreword

This standard is drafted in accordance with rules given in GB/T 1.1-2009.

The standard replaces YS/T 582-2006 " Battery grade lithium carbonate".

Compared with YS/T 582-2006, the main changes of this standard are as follows:

- Parts of product indexes is adjusted;
- Requirements for magnetic impurity and hazardous material is added;
- Measurement method for moisture is amended.

This standard shall be under the jurisdiction of National Standardization Technical Committee of Nonferrous Metals (SAC/TC 243).

Drafting organizations of this standard: Sichuan Tianqi Lithium Industries Inc., Foshan Brunp Recycling Technology Co.Ltd, Haimen Ronghui General Lithium Co., Ltd. And Jiangxi Ganfeng Lithium Co.Ltd.

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The historical version replaced by this Part is as follows:

——YS/T 582-2006.

Battery grade lithium carbonate

1 Scope

This standard specifies the requirements, testing method, inspecting regulation, symbols, packaging, transportation, storage and quality certification as well as content of contract (or ordering list).

This standard is applicable to battery grade lithium carbonate manufactured by using different methods.

2 Normative references

Following documents are indispensable for application of this document. For the dated documents so quoted, only dated versions apply to this document. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 191 Packaging--Pictorial markings for handling of goods

GB/T 6284 Chemical products for industrial use - General method for determination of water content - The loss of mass on drying method

GB/T 6678-2003 General principles for sampling chemical products

GB/T 11064 (All parts) Methods for chemical analysis of lithium carbonate, lithium hydroxide monohydrate and lithium chloride

GB/T 19077.1 Particle size analysis - Laser diffraction methods - Part 1: General principles

IEC 62321 Procedure of concentration determination for six regulated substances in electronic and electrical products (lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers).

3 Terms and definitions

The following terms are applicable in this standard.

3.1 Magnetic impurity

The material which can be attracted by ferromagnet directly or indirectly and in this standard it refer to total content of the three elements of ferrum, znic and chromium .

4 Requirements

4.1 Chemical composition

Product chemical composition should fulfill specification in Table 1. In case of requirements from customer, hazardous substances should fulfill requirements of annex II in 2011/65/EU Directive of Council of the European Union.

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