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

YS/T 1241-2018

Lithium sulfate

硫酸锂

(English Translation)

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Table of Contents

Foreword...	3
1 Scope...	4
2 Normative References...	4
3 Requirements...	4
4 Test Methods...	5
5 Inspection Rules...	5
6 Marking, Packaging, Transportation, Storage and Quality Certificate...	6
7 Order Form (or contract) Content...	7

Foreword

This Standard was drafted in accordance with the rules in GB/T 1.1-2009.

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee 243 on Nonferrous Metals of Standardization Administration of China (SAC/TC 243).

The drafting organization of this Standard. Tianqi Lithium Co., Ltd. Jiangxi Ganfeng Lithium Co., Ltd., Xi'an Taijin Industrial Electrochemical Technology Co., Ltd., Northwest Institute for Non-ferrous Metal Research, China Nonferrous Metals Techno-Economic Research Institute.

1 Scope

This Standard specifies the requirements, test methods, inspection rules, marking, packaging, transportation, storage, quality certificate and order form (or contract) content.

This Standard is applicable to solid by-product lithium sulfate, which is generated during the preparation of lithium iron phosphate through wet process.

2 Normative References

The following documents are indispensable to the application of this Standard. In terms of references with a specified date, only versions with a specified date are applicable to this Standard. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this Standard.

GB/T 191 Packaging - Pictorial Markings for Handling of Goods

GB/T 6678-2003 General Principles for Sampling Chemical Products

3.1 Chemical Composition

Lithium sulfate' chemical composition shall comply with the stipulations in Table 1.

3.2 Appearance Quality

Products shall be white crystalline particles and have certain fluidity. There shall be no visible foreign inclusions.

4.1 The chemical composition analysis of the products shall be conducted in methods

which are approved by the demand-side and the supply-side.

5.2 Group Batch

Products shall be submitted for acceptance inspection in batches. Each batch shall be constituted of products of the same mixing materials. The net weight of each batch of products shall be not more than 10 t.

5.3 Inspection Items

Inspection items and sampling location shall comply with the stipulations in Table 2.

5.5.1 When the result of chemical composition analysis is disqualified, take a doubled

size of samples from the same batch of products to conduct re-inspection of the disqualified items. If the samples still fail in one of the items in the re-inspection result, then, this batch of products shall be determined as disqualified.

6.1 Marking

On product packaging, the following shall be indicated.

6.2 Packaging

Products shall adopt lined with plastic film bag. On the outside, products shall be covered with double-layer packaging of plastic woven bag, or, be packed through plastic coated bag. The internal bag shall be tied or heat-sealed; the external bag shall be firmly sealed.

6.3 Transportation

Products which are packed in accordance with the requirements in 6.2 may be transported through various modes. During the carriage, prevent from any breakage of the packaging; pay attention to keep the products away from damp.

6.5 Quality Certificate

Each batch of products shall be attached with a quality certificate, which shall indicate.

7 Order Form (or contract) Content

The order form (or contract) of products listed in this Standard shall include the following content.

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