

ICS 77.150
CCS H 64

YS

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

YS/T 261-2011

Spodumene concentrate
(English Translation)

Issued on: December 20, 2011

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People's Republic of China**

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Foreword

This Standard serves as a replacement of YS/T 261-1994 Spodumene Concentrate.

In comparison with YS/T 261-1994, there are several main changes as follows.

---The grade and chemical composition of spodumene concentrate are adjusted;

---The requirements for granularity of spodumene concentrate are adjusted.

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

The drafting organization of this Standard. Sichuan Tianqi Lithium Co., Ltd.

1 Scope

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

This Standard is applicable to spodumene concentrate, which is obtained through various mineral processing methods and enrichment. The spodumene concentrate has been extensively applied to the glass and ceramic industry, and the production of various chemical products of lithium.

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.

YS/T 509.1 Methods for Chemical Analysis of Spodumene and Lepidolite

Concentrates - Determination of Lithium Oxide, Sodium Oxide and Potassium Oxide Contents - Flame Atomic Absorption Spectrometric Method

YS/T 509.5 Methods for Chemical Analysis of Spodumene and Lepidolite

Concentrates - Determination of Ferric Oxide Content - O-phenanthroline Photometric Method and EDTA Complexometric Method

YS/T 509.6 Methods for Chemical Analysis of Spodumene and Lepidolite

Concentrates - Determination of Phosphorus Pentoxide Content - The Molybdenum Blue Photometric Method

3.1 Product Classification

In accordance with the scope of application and chemical composition, products shall be classified into six grades.

3.2 Chemical Composition

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

4.1 The method of chemical composition analysis of the product shall comply with the

stipulations in YS/T 509.1, YS/T 509.5, YS/T 509.6, YS/T 509.8 and YS/T 509.10.

4.2 The method of granularity test shall be negotiated and determined by the demand-

side and the supply-side.

5.1.1 Products shall be inspected by the supply-side's quality inspection department,

which shall guarantee that product quality complies with the stipulations in this Standard and the contract (or order form). In addition, a quality certificate shall be filled out.

5.2 Group Batch

Products shall be submitted for acceptance inspection in batches. Each batch shall be constituted of the same grade of products. The weight of each batch of products for chemical purpose shall not exceed 3,000 t. The weight of each batch of products for other purposes shall not exceed 60 t.

5.3 Inspection Items

Inspection items and sampling size of each batch of products shall comply with the stipulations in Table 2.

5.4.1 Adopt intubation method (plastic tube or stainless-steel tube) to evenly take samples from each batch of products.

5.5.1 When the result of chemical composition analysis is disqualified, it is allowed to

re-take samples (or double the samples) 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.

5.5.2 When the samples are disqualified in granularity inspection, then, this batch of

products shall be determined as disqualified.

6.1 Packaging, Transportation and Storage

Products may be packed in sacks or bulk. The specific mode of packaging shall be determined in accordance with the demand-side's demands. During the transportation and storage, products shall be protected from the rain.

6.2.2 If products are shipped in bulk, in accordance with the content described in 6.2.1,

fill out the form, then, submit it to the demand-side.

6.3 Quality Certificate

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

7 Contract (or order form) Content

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

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