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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

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Anhydrous Lithium Chloride

无水氯化锂

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Anhydrous Lithium Chloride

1 Scope

This Standard specifies the classification, requirements, test methods, inspection rules and markings, packaging, transportation and storage, etc. of the anhydrous lithium chloride product.

This Standard is applicable to the anhydrous lithium chloride made by the conversion method with lithium carbonate, lithium hydroxide monohydrate or Li-contained brine as raw materials. This Product is used for the welding, material and air-conditioning devices, as well as for making lithium metal, etc.

2 Normative References

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB 191-2000 Packaging - Pictorial Marking for Handling of Goods

GB/T 6388-1986 Transport Package Shipping Mark

GB/T 11064 (all parts) Methods for Chemical Analysis of Lithium Carbonate, Lithium Hydroxide Monohydrate and Lithium Chloride

3 Requirements

3.1 Product classification

The product can be divided into three designations according to the chemical compositions, i.e., LiCl-T, LiCl-0, LiCl-1.

3.2 Chemical compositions

The chemical compositions of the product shall comply with the provisions of Table 1.

sample is divided into about 200g by quarter method.

5.4 Judgment of inspection results

5.4.1 When the chemical composition is unqualified, the batch of products shall be judged as unqualified.

5.4.2 When the appearance quality is unqualified, the batch of products shall be judged as unqualified. However, one-by-one inspection is allowed, and those who are qualified shall be regrouped and delivered.

6 Marking, Packaging, Transportation and Storage

6.1 Marking

The product pack shall be marked with the following information such as product name, batch number, molecular formula, net weight, gross weight, place of origin and the "fear of moisture" mark in Figure 6 of GB 191-2000, and the "chemical " mark in Figures 1~5 of GB/T 6388-1986.

6.2 Packaging, transportation and storage

6.2.1 The product is packed in two layers of polyethylene plastic packs; respectively tied with plastic ropes, then folded and tied once; put into plastic woven bags; and hem the bags.

6.2.2 The net weight of each bag of the product is $25\text{ kg} \pm 25\text{ g}$.

6.2.3 The product is a strong water-absorbing substance; and the packaging and handling process of the product shall prevent the damage of the packaging bag; and pay attention to moisture-proof.

6.2.4 The product shall be stored in a dry, acid-free atmosphere. The storage period shall not exceed half a year.

6.3 Quality certificate

Each batch of products shall be attached with quality certificate, indicating:

- a) Name, address, telephone, and fax of the supplier;
- b) Name of the product;
- c) Designation;
- d) Batch number;
- e) Net weight and number of pieces;

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