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

YS/T 967-2014

**Battery grade lithium dihydrogen phosphate
(English Translation)**

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1 Scope

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

This Standard applies to battery grade lithium dihydrogen phosphate produced by the neutralization method using lithium carbonate or lithium hydroxide monohydrate as raw materials.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 191-2008 Packaging - Pictorial marking 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 9724 Chemical reagent - General rule for the determination of pH

3.1 Product classification

The products are divided into two designations according to their chemical composition:

LiH₂PO₄-1 and LiH₂PO₄-2.

3.2 Chemical composition

The chemical composition of battery grade lithium dihydrogen phosphate products shall comply with the requirements in Table 1.

5.5.2 If the moisture inspection result of a product fails, double samples will be taken from the same batch of products, and the unqualified items will be repeatedly inspected.

If there is still one unqualified inspection result, the batch of products will be determined as unqualified.

5.5.3 If the product pH is unqualified, double samples will be taken from the same batch of products, and the unqualified items will be repeatedly inspected. If there is still one unqualified inspection result, the batch of products will be determined as unqualified.

5.5.4 If the appearance quality of a product is unqualified, double samples will be taken from the same batch of products, and the unqualified items will be repeatedly inspected.

If there is still one unqualified inspection result, the batch of products will be determined as unqualified.

6 Marking, packaging, transportation, storage, and quality

certificate

6.1 Marking

The product packaging bag shall be marked with: product name, batch number, net weight, main content, supply party's name, implemented standards, place of origin,

"KEEP DRY" marking in GB/T 191-2008, etc.

6.2 Packaging

The products are packed by double-layer packaging, with plastic film bags inside and plastic woven bags outside, or with plastic laminated bags. The inner bag is zipped or heat-sealed, and the outer bag is seamed firmly. The net weight of each bag is based on customer requirements.

6.3 Transportation

When transporting the product, avoid contact with acids and alkalis, prevent the packaging bag from being damaged during transportation, and pay attention to moisture-proofing.

6.4 Storage

The product shall be stored in a dry, acid-free and alkali-free atmosphere. The expiration date should not exceed half a year.

6.5 Quality certificate

Each batch of products shall be accompanied by a quality certificate stating:

a) supply party's name, address, telephone number, and fax number;

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