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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 9968-2008

Replacing GB 9968-1996

**Rare earth nitrate for growth regulator for plant
(English Translation)**

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Foreword

Since the implementation of this standard, GB 9968-1996 "Agricultural Rare Earth nitrate" void.

Compared to major changes "Agricultural Rare Earth nitrate" and the present standard GB 9968-1996 as follows.

--- standard name from "Agricultural Rare Earth nitrate" to "rare earth nitrate plant growth regulator";

--- required to GB/T 17803-1999 "rare earth products grades representation" of the digital grades;

--- Cancel "total alpha specific activity" indicators;

--- solid, liquid water insolubles evaluation index from 0.5%, respectively, and 5g/L was adjusted to 0.3 and 3g/L;

--- adapted its packaging specifications.

Table 1 of this Standard arsenic, cadmium, lead impurities content requirements are mandatory.

Appendix A of this standard is an informative annex.

This standard was proposed by the National Development and Reform Commission, rare

office.

This standard by the National Standardization Technical Committee rare.

This standard by the Institute of Rare Earth New Materials Co., Ltd., China Nonferrous Metals Industry standard quality metering Institute is responsible for drafting.

This standard is attended by the fertilizer plant Baotou City Wan Defu drafted.

2 Normative references

Terms of the following documents become provisions of this standard by reference in this standard. For dated reference documents, all later Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to agreements based on this standard Whether the latest versions of these documents. For undated references, the latest version applies to this standard.

GB/T 8170 rounding off rule GB/T 12687 (all parts) Agricultural Chemical analysis of nitrate of rare earth 3.1 solid and liquid products are divided into two types, grades and chemical composition shall comply with the requirements in Table 1. Demand side, such products have special requirements, for the to be negotiated.

3.2 solid product size not greater than 3mm. Liquid product pH of 3.5 to 4.0.

3.3 is a solid reddish or yellowish-white powder; liquid brown yellow solution. Products should be clean, no visible inclusions.

Table 1

Grades

Chemical composition (mass fraction) /% (liquid g/L) REO not less than Impurity content no greater than as Cd Pb Cl- water insoluble 193000A (solid) 0.3 38 0.0005 0.001 0.005 1 193000B (liquid) 380 0.01 0.05 103 0.005 Test Method 4 Analysis of chemical composition according to the provisions GB/T 12687 4.1 product.

Particle size of 4.2 to 100% solid product should 3mm aperture sieve, pH value of the liquid products was measured by the commercially available test strip precision.

4.3 rounding off for predetermined GB/T 8170's.

4.4 Product appearance visual inspection.

5.1 Inspection and acceptance

5.1.1

Product inspection by the supplier and technical supervision departments to ensure product quality in line with the provisions of this standard, and fill quality certificate.

5.1.2

need to receive the product is tested according to the provisions of this standard, such as when test results are inconsistent with the provisions of this standard shall be in receipt of production Within two months from the date of the proposed product suppliers, negotiated by both parties to resolve. For arbitration, the parties may entrust approved units, and in need Joint sampling.

5.2 Batching

The product should be tested in batches, each batch of raw material should be the same, the same brand of product composition.

5.3 Test items

Each batch of products should be the chemical composition, particle size or the pH, appearance inspection.

5.4 Sampling and sample preparation

The number of sampling member arbitration chemical analysis specified in Table 2. Three points per member (bags) and around the center equidistant cannula, each (Bags) sample of not less than 10g, after mixing the sample with quartering rapidly reduced to the desired number of samples, into a clean plastic bottle (bag) and sealed. Liquid product sampling may be referring to.

Table 2

Member (bag) 1 to 56 ~ 49 50 ~ 100 > 100 Element number of samples (bags) the number of items (bags) 5 to 100% Member (bag) 10% of the number of Rounded the square root of the number of (the bag) member Take a positive integer

5.5 Test results to determine

Chemical composition, particle size or pH does not match the arbitration results of this standard, should be taken in the batch double sampling of nonconformity Head retest, if the result is still a failure, then the product is substandard.

6.1 Signs, packaging

The outer bag and box (barrels) shall bear a label stating. supplier's name, trademark,, net weight, gross weight, date of manufacture, and on the packaging Printed with "moisture", "light up", "production license" and "product registration certificate" and other words or signs. Solid products packaged in plastic bags; liquid products Treated with anti-corrosion plastic bucket or drum packaging.

6.2 Transportation and Storage

Goods in transit should be moisture, light up. Stored in a dry environment.

6.3 Quality Certificate

Each batch of products should be accompanied by a certificate of quality, stated.

- a) supplier's name;
- b) the product name;
- c) Grade, batch number, weight and number of pieces;
- d) the analysis of test results and technical supervision departments imprint;
- e) standard number;
- f) date of inspection;
- g) the date of manufacture;
- h) instructions for use.

Appendix A

(Informative)

Rare earth nitrate plant growth regulator use agent A. 1 Scope Rare earth nitrate plant growth regulator used in a variety of grain, oil, sugar, vegetables, fruits, flowers, tobacco, tea, and crops such as rubber, also for pasture and planting trees.

A. 2 Use

A. 2.1 to spray, seed dressing, fertilizer is added mainly, but also soaking the applicator (rubber trees) and the like.

A. 2.2 used for spraying or seedling flowering.

A. 2.3 Spray 2-3 times generally 1 to 2 times.

A. 2.4 should be used when spraying the water acidity is adjusted to a pH of 5-6, in order to improve the results.

A. 3 doses

The solid product was typically 20g/acre ~ 60g/acre (0.03g/m² ~ 0.09g/m²), liquid product was 20mL/mu ~ 60mL/mu (0.03mL/m² ~ 0.09mL/m²), see specific crop instructions.