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

GB/T 3600-2000

**Fertilizers - Determination of ammoniacal nitrogen content.
Formaldehyde method
(English Translation)**

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1 Scope

This Standard specifies the formaldehyde method for the determination of ammoniacal nitrogen content in fertilizers.

This Standard is applicable only when the specimen does not contain urea or its derivatives, cyanamide compounds and organic nitrogen-containing compounds. It can also be applied to corresponding industrial products. This method does not apply to ammonium bicarbonate and ammonia water.

2 Normative References

The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. At the time of publication, the editions indicated are valid.

All standards are subject to revision. The parties who are using this Standard shall explore the possibility of using the latest version of the following standards.

HG/T 2843-1997 Chemical fertilizer Products-standard volumetric, standard, reagent and indicator solutions for chemical analysis

3 Method Summary

In a neutral solution, the ammonium salt reacts with formaldehyde to generate hexamethylenetetramine and an acid equivalent to the content of the ammonium salt. In the presence of an indicator, titrate with a sodium hydroxide standard titration solution.

4 Test Methods

The preparation of reagents, water and solutions used in this Standard shall comply with the provisions of HG/T 2843 unless the specifications and preparation methods are specified.

4.1 Reagents

4.1.1

Boric acid.

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