

HG

CHEMICAL INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HG/T 5353-2018

Ammonia solution for industrial use

工业氨水

(English Translation)

Issued on: October 22, 2018

Implemented on: April 1, 2019

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

Foreword	i
1 Scope	
2 Normative references	
3 Molecular formula and relative molecular mass	
4 Requirements	
5 Test methods	
6 Inspection rules	
7 Marking and labeling	
8 Packaging, transportation and storage	

1 Scope

This standard specifies the requirements, test methods, inspection rules, marking and labeling as well as packaging, transportation and storage of ammonium hydroxide.

This standard is applicable to ammonium hydroxide, mainly used for waste gas denitration, ammonium salt processing, printing and dyeing, pesticide and catalyst processing, etc.

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 (including any amendments) applies.

GB 190-2009 Labels for packages of dangerous goods

GB/T 191-2008 Packaging - Pictorial marking for handling of goods

GB/T 6680 General rules for sampling liquid chemical products

GB/T 6682-2008 Water for analytical laboratory use - Specification and test methods

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 23770-2009 Liquid inorganic chemical products - General method for the measurement of color

HG/T 3696.1 Inorganic chemicals for industrial use - Preparations of standard and reagent solutions for chemical analysis - Part 1: Preparations of standard volumetric solutions

HG/T 3696.3 Inorganic chemicals for industrial use - Preparations of standard and reagent solutions for chemical analysis - Part 3: Preparations of reagent solutions

3 Molecular formula and relative molecular mass

Molecular formula: $\text{NH}_3 \cdot \text{H}_2\text{O}$

Relative molecular mass: 35.05 (as per the international relative atomic mass in 2016)