

ICS 65.080
CCS G 21



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

GB 21634-2008

Replacing GB/T 21634-2008

Triple superphosphate

重过磷酸钙

(English Translation)

Issued on: November 19, 2020

Implemented on: June 1, 2021

Issued by: State Administration for Market Regulation

Table of Contents

Foreword
1 Scope
2 Normative references
3 Technical requirements
3.1 Powdered superphosphate
3.2 Granular superphosphate

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 21634-2008 "Heavy Superphosphate". Compared with GB/T 21634-2008, except for editorial changes, the main technical changes are as follows.

- Updated some normative references (see Chapter 2, Chapter 2 of the 2008 edition);
- Added the limit requirements for toxic and hazardous substances (see 3.3);
- The determination method of free acid has been added (see 4.5.1);
- Modified packaging specifications (see 7.1, 7.1 of the 2008 edition).

This standard was proposed by the China Petroleum and Chemical Industry Federation.

This standard is organized by the National Fertilizer and Soil Conditioner Standardization Technical Committee Phosphate and Compound Fertilizer Sub-Technical Committee (SAC/TC105/SC3) Focus.

Drafting organizations of this standard. Shanghai Research Institute of Chemical Industry Co., Ltd., Yunnan Yuntianhua Co., Ltd., Shanghai Institute of Chemical Industry Testing Co., Ltd., Yunnan Product Quality Supervision and Inspection Institute, Shanghai Huanqiu Engineering Co., Ltd.

1 Scope

This standard specifies the technical requirements, sampling, test methods, inspection rules, identification and quality certificates, packaging, transportation and storage of heavy superphosphate.

This standard applies to powdered and granular heavy superphosphate for fertilizers made from wet or thermal phosphoric acid treatment of phosphate rock powder.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated references, the latest version (including all amendments) applies to this document.

GB/T 6003.1 Technical Requirements and Inspection of Test Sieve Part 1: Metal Wire Woven Mesh Test Sieve
GB/T 6679 General Rules for Sampling of Solid Chemical Products
GB/T 8170 Numerical rounding rules and the expression and determination of limit values
GB/T 8569 Solid chemical fertilizer packaging
GB 18382 Fertilizer labeling content and requirements
GB 38400 Limit requirements for toxic and hazardous substances in fertilizers
HG/T 2843 Commonly used standard titration solution, standard solution, reagent solution and indicator solution for chemical analysis of fertilizer products

3.1 Powdered superphosphate

3.1.1

The appearance is colored powder without mechanical impurities.

3.1.2

The technical indicators of powdered heavy superphosphate should meet the requirements of Table 1, and should meet the indicated values.

Table 1 Technical index requirements of powdered heavy superphosphate%

3.1.3

The toxic and hazardous substances in the product should meet the limit requirements in GB 38400.

3.2 Granular superphosphate

3.2.1

The appearance is colored particles without mechanical impurities.

3.2.2

Granular heavy superphosphate should meet the requirements of Table 2, and should meet the indicated value.