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

GB/T 14563-2020

Replacing GB/T 14563-2008

Specification and test method of kaolin clay

高岭土及其试验方法

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 14563-2008 "Kaolin and its test methods". Compared with GB/T 14563-2008, this standard The main technical changes outside the editorial changes are as follows:

- Modified the scope (see Chapter 1, Chapter 1 of the.2008 edition);
- Modify "according to industrial use" to "according to main industrial use"; added "kaolin products are divided into two types of washing and calcining according to process" (See 3.1, version

- Deleted the grade; redefined the category, product code, product name and main purpose (see Table 1,.2008 version of Table 1);
- Modified the appearance quality requirements of products, and added the appearance quality requirements of calcined kaolin for ceramic industry (see 4.1,.2008 edition) 4.1);
- Modify the physical and chemical properties of kaolin and calcined kaolin products for paper industry (see 4.2.1, 4.2.1 of.2008 edition);
- Modify the physical and chemical performance requirements of kaolin products for enamel industry (see 4.2.2, 4.2.2 of the.2008 edition);
- Modify the physical and chemical properties of kaolin powder and calcined kaolin powder for rubber and plastics industry (see 4.2.3, 4.2.3 of the.2008 edition);
- Modify the physical and chemical properties of kaolin for ceramic industry; increase the physical and chemical requirements of calcined kaolin for ceramic industry (see 4.2.4, (2008 version 4.2.4);
- Modify the physical and chemical properties requirements of water washing kaolin and calcined kaolin in coating industry (see 4.2.5,.2008 version 4.2.5);
- Modify "Samples to be taken and processed in accordance with

1 Scope

GB/T 14563-2020 is the Chinese national standard on specification and test method of kaolin clay, in the field of mining and minerals. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 June 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2021.

Classification: ICS 73.080, CCS Q69. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification, requirements, test methods, inspection rules, packaging, marking, transportation and storage of kaolin products. This standard is applicable to soft, sandy, coal-based kaolin, calcined kaolin, other industries used in paper, enamel, rubber, plastic, ceramics and coating industries. Use kaolin for reference.

2 Normative references

The following documents are essential for the application of this document. For dated reference documents, only the dated version applies to this article. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 1724 Determination of Grinding Fineness of Paints, Varnishes and Printing Inks

GB/T 5211.15 General test methods for pigments and extender pigments Part

3 Product classification

3.1 Kaolin products are divided into kaolin for paper industry, kaolin for enamel industry, kaolin for rubber and plastic industry and ceramics according to main industrial uses. Five types of kaolin for industrial kaolin and coating industry. Kaolin products are divided into two types: water washing and calcination according to the process.

3.2 The categories, product codes, product names and main uses are shown in Table 1.

Category	Product Code	Product Name	Main Use
Kaolin for the paper industry	ZT	Paper Industry Washing Kaolin	Processing Paper Coatings
	ZT-(D)	Paper coating for calcined kaolin for paper industry	
Kaolin for enamel industry	TT	Kaolin glaze for enamel industry	
	XT	Rubber-plastic industry water-washed kaolin powder	rubber-plastic products
semi-reinforcing filler	XT-(D)	Calcined kaolin powder white or light-colored	semi-reinforced filler for rubber and plastic industry
	TC	ceramic industry water-washed kaolin clay, daily-use ceramics, building sanitary porcelain blanks and glazes, etc.	
Kaolin for ceramic industry	TC-(D)	Calcined kaolin electric porcelain for ceramic industry, daily ceramics, building sanitary porcelain blanks, glazes, etc.	
	TL	coating industry water-washed kaolin coating filler	
	TL-(D)	Calcined kaolin coating filler for coating industry	

15 Determination of oil absorption

GB/T 5211.17 Comparison of white pigment contrast ratio (hiding power)

GB/T 5950 Whiteness measurement method of building materials and non-metallic mineral products

GB/T 6003.1 Technical requirements and inspection of test sieve Part