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

GB 3494-1983

Replacing GB/T 3494-1996

**Zinc oxide produced by direct method
(English Translation)**

Issued on: January 1, 1970

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces GB/T 3494-1996 "direct method zinc oxide." Compared with the GB/T 3494-1996, major changes in this standard as follows.

--- Product increased to three from the original two, increasing the zinc oxide ceramic ZnO-C1, ZnO-C2 two grades.

This standard by the national non-ferrous metals Standardization Technical Committee (SAC/TC243) centralized.

This standard was drafted. Shuikoushan Hunan Nonferrous Metals Group Limited.

1 Scope

This standard specifies the technical requirements, test methods, inspection rules direct method zinc oxide, signs, packaging, transportation, storage, quality certificate and contracts (or orders) content.

This standard applies to zinc oxide to zinc concentrate obtained as raw materials by pyrometallurgical processing of zinc oxide direct method is mainly used in rubber, paint, ceramics Porcelain, cable, glass, enamel, petroleum, chemical and other industries.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 1709 assay hiding pigments GB/T 3185 zinc oxide (indirect method) GB/T 4104 direct method zinc oxide whiteness (color) test method Zinc oxide GB/T 4372 (all parts) direct method of chemical analysis methods Determination of thermal extraction method GB/T

5211.2 soluble pigment material GB/T 5211.3 pigment measured at 105 °C volatiles GB/T 5211.15 pigment oil absorption measurement Compare GB/T 5211.16 white pigment tinting strength of GB/T 5211.18 color filter was measured manually operated water law GB/T 6678 General Principles for Sampling Chemical Products GB/T 8170 represents rounding off rules and limit values \u200b\u200band judgment

3.1 Categories

Zinc oxide classification prescribed levels and grades are shown in Table 1.

Table 1 Zinc oxide classification levels and grades

The main purpose category level grade A ZnO-X1 Two ZnO-X2 Mainly used for rubber and other industrial sectors A ZnO-T1 Two ZnO-T2 Three ZnO-T3 Mainly for paint and other industrial sectors A ZnO-C1 Two ZnO-C2 Mainly used for ceramics and other industrial sectors