

ICS 73.060
CCS D 42

YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 320-2014

Replacing YS/T 320-2007

Zinc concentrate

锌精矿

(English Translation)

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Foreword

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

Instead of the standard YS/T 320-2007 "zinc concentrate." Compared with this standard YS/T 320-2007, the main changes are as follows.

--- Zinc concentrate impurities in Cu content requirements to make appropriate changes, namely a product Cu content from "not more than 0.8%" to "not More than 1.0% ", two products from the Cu content" is not more than 1.0% "to" not more than 1.2% ", three products from the Cu content of the" little to 1.0% "to" not more than 1.5% ", four product Cu content is still" not more than 1.5% ";

--- Zinc concentrate impurity Pb content requirements made appropriate changes, namely a Pb content of the product "is not more than 1.0%" to "not More than 1.2%, "Second grade Pb content from" less than 1.5% "to" not more than 1.8%, "the third grade Pb content from the" little 2.0% "to" not more than 2.5% ", four product Pb is still" not more than 2.5% ";

--- Zinc concentrate impurities in SiO₂ content requirements made appropriate changes that SiO₂ content of a product from "not more than 4.0%" is amended as "No more than 3.5%," Second grade SiO₂ content from "not more than 5.0%" to "not more than 4.5%," the third grade SiO₂ content from "not more than 5.5%" to "not more than 5.0%", four items SiO₂ content from "not more than 6.0%" to "not more than 5.5% ";

--- Edit "zinc concentrate fluorine, antimony, tin, cobalt, nickel, germanium content requirements agreed to by both parties" to "zinc concentrate fluorine, chlorine, antimony, tin, Content of cobalt, nickel, germanium, thallium and other requirements agreed to by both parties ";

--- Inspection,, sampling, sample preparation, the result of the arbitration judgment and transport regulations were amended as appropriate.

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

1 Scope

This standard specifies the zinc concentrate requirements, test methods, inspection rules, packaging, transportation, quality forecast orders and contracts (or orders) content.

This standard applies to zinc sulfide ore flotation prepared zinc concentrate, zinc smelting for use.

2 Normative references

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

GB/T 8151 (all parts) Methods for chemical analysis of zinc concentrates GB/T 8170 repair value expressed about the rules and limit values and judgment GB/T 14261 bulk flotation zinc concentrates sampling and sample preparation method GB 20424 heavy metal concentrate product specification limits of harmful elements GB 20664 non-ferrous minerals natural radioactivity limits

3 Requirements

3.1

Categories. zinc concentrates by chemical composition into a product, two products, three products and four products.

3.2

Chemical composition. Zinc Concentrates Cd, Hg content should be consistent with the provisions of GB 20424, and the remaining chemical composition shall comply with the requirements of Table 1.

Table 1 chemical composition of zinc concentrate
grade

Chemical composition (mass fraction) /% Zn not less than Impurity content of not more than
Cu Pb Fe As SiO₂ First Grade 55 1.0 1.2 6 0.2 3.5 Second Grade 8 50 1.2 1.8 0.4 4.5
Grade III 45 12 1.5 2.5 0.5 5.0 Four products 40 1.5 2.5 14 0.5 5.5 Note. The four articles of iron sphalerite concentrate iron content may not be greater than 18%.

3.3

Zinc Concentrates Ag, S shall report the data.

3.4

Zinc Concentrates natural radioactivity limits shall comply with the provisions of GB 20664.

3.5

The content of zinc concentrate fluorine, chlorine, antimony, tin, cobalt, nickel, germanium, thallium and other requirements agreed to by both parties.

3.6

zinc concentrate in water (mass fraction) should not exceed 12%, the winter should not exceed 8%.

3.7

zinc concentrate should not be mixed with foreign matter. The same batch of zinc concentrate to be mixed, the color should be the same, the main difference between the grade should not exceed 5%.