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

GB/T 8152.2-2006

**Methods for chemical analysis of lead concentrates -- Determination of lead content --
Back titration of EDTA after precipitation of lead sulfate (ISO 11441: 1995E Lead sulfide
concentrates -- Determination of lead content -- Back titration of EDTA after**

铅精矿化学分析方法 铅量的测定 硫酸铅沉淀—EDTA返滴定法

(English Translation)

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1 Scope

This Part specifies a lead sulfate precipitation EDTA titrimetric method for the determination of lead content in lead sulfide concentrates.

This Part is applicable to all lead sulfide concentrates with lead content in the range from 10 % (m/m) to 80 % (m/m).

2 Normative references

The following standards contain provisions which, through reference in this Part, constitute provisions of this Part. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Part are encouraged to use the most recent editions of the following standards as much as possible. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 385-1:1984 Laboratory glassware - Burettes - Part 1: General requirements

ISO 648:1977 Laboratory glassware - One-mark pipettes

ISO 1042:1983 Laboratory glassware - One-mark volumetric flasks

ISO 4787:1984 Laboratory glassware - Volumetric glassware - Methods for use and testing

of capacity

ISO 9599:1991 Copper, lead and zinc sulfide concentrates - Determination of hygroscopic moisture in the analysis sample - Gravimetric method

ISO Guide 35:1989 Certification of reference materials - General and statistical principles

3 Principle

The stages which comprise the determination are described in 3.1 to 3.4

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