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PEOPLE'S REPUBLIC OF CHINA**

GB/T 25949-2010

**Aluminium ores -- Preparation of samples
(English Translation)**

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard used translation method to equivalently adopt ISO 6140.1991 Aluminum Ores -

Preparation of Samples.

This Standard's Annex A is normative; while Annexes B, C, D, E, and F are informative.

This Standard shall be under the jurisdiction of National Technical Committee on Nonferrous

Metals of Standardization Administration of China (SAC/TC 243).

Drafting organizations of this Standard. Aluminum Corporation of China Limited, Shandong Branch; and China Nonferrous Metals Industry Standards, Metrology and Quality Research Institute.

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Aluminum Ores - Preparation of Samples

1 Scope

This Standard specifies methods of treatment of gross samples and subsamples of aluminum

ores with a view to the preparation of samples for the determination of moisture, chemical analysis and physical testing.

This Standard is applicable to all aluminum ores.

2 Normative References

The following documents are essential to the application of this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the

undated documents, only the latest version (including all the amendments) is applicable to this

Document.

GB/T 25945-2010 Aluminum ores - Sampling procedures (ISO 8685.1992, IDT)

GB/T 25947-2010 Aluminum ores - Determination of the moisture content of bulk material (ISO 9033.1989, IDT)

GB/T 25950-2010 Aluminum ores - Experimental determination of the heterogeneity of constitution (ISO 6138.1991, IDT)

ISO 565.1990 Test sieves - Metal wire cloth, perforated metal plate and electroformed sheet - Nominal sizes of openings

3 Terms and Definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 Chemical analysis sample

The sample crushed to pass a sieve aperture of 150 μm used for the determination of chemical

characteristics of the aluminum ore.

3.2 Division

The process of decreasing the sample mass (without modification of the particle size of the constituent parts) where a representative part of the sample is retained while rejecting the