

Aluminium oxide used for the production of primary aluminium — Particle size analysis for the range 45 μm to 150 μm — Method using electroformed sieves

ICS 71.100.10

National foreword

This British Standard reproduces verbatim ISO 2926:2005 and implements it as the UK national standard. It supersedes BS 4140-21:1980 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/24, Raw materials for the aluminium industry, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iv, pages 1 to 7 and a back cover.

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Amendments issued since publication

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INTERNATIONAL STANDARD

**ISO
2926**

Second edition
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Aluminium oxide used for the production of primary aluminium — Particle size analysis for the range 45 μm to 150 μm — Method using electroformed sieves

*Oxyde d'aluminium utilisé pour la production d'aluminium primaire —
Analyse granulométrique dans la gamme 45 μm à 150 μm — Méthode
par emploi de tamis électroformés*



Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2926 was prepared by Technical Committee ISO/TC 226, *Materials for the production of primary aluminium*.

This second edition cancels and replaces the first edition (ISO 2926:1974), which has been technically revised to reflect modern industry practice, and has substantially improved accuracy and precision over the first edition. The major changes are:

- the mandatory use of electroformed sieves instead of woven wire sieves;
- the mandatory use of a sieve shaker with a vertical hammer-drop action concurrent with the lateral sieving action;
- a different set of nominal aperture sizes to correspond to modern industry practice;
- weighing of fractions "on-sieve" rather than "off-sieve";
- changed sample preparation (no pre-drying);
- removal of the limit of 50 % atmospheric relative humidity;
- calculation of percentages using a "mass recovered" denominator rather than "original mass".