

Chemical tests for raw and vulcanized rubber —

Part 29: Methods for determination of zinc content —

Section 29.1 Atomic absorption spectrometry

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Plastics and Rubber Standards Policy Committee (PRM/-) to Technical Committee PRM/23, upon which the following bodies were represented:

- Institute of Water and Environmental Management
- Laboratory of the Government Chemist
- Ministry of Defence
- Royal Society of Chemistry
- Rubber and Plastics Research Association

This British Standard, having been prepared under the direction of the Plastics and Rubber Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 28 February 1992

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This Section of BS 7164 has been prepared under the direction of the Plastics and Rubber Standards Policy Committee and is identical with ISO 6101-1:1991 “*Rubber — Determination of metal content by atomic absorption spectrometry — Part 1: Determination of zinc content*” published by the International Organization for Standardization (ISO).

BS 7164 rationalizes all the methods that deal with chemical analysis of raw, compounded and vulcanized rubber, some of which have previously been published in BS 903, BS 1673 and BS 5923. Relevant Parts of those standards will be withdrawn or deleted by amendment, as appropriate, when superseded by Parts and Sections of BS 7164.

Cross-references

International Standard	Corresponding British Standard
ISO 123:1985	BS 6057 <i>Rubber latices</i> Part 2:1987 <i>Sampling</i> (Identical)
ISO 247:1990	BS 7164 <i>Chemical tests for raw and vulcanized rubber</i> Part 5:1991 <i>Methods for determination of ash content</i> (Identical)
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i> (Identical)
ISO 4793:1980	BS 1752:1983 <i>Specification for laboratory sintered or fritted filters including porosity grading</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 648:1977, ISO 1772:1975 and ISO 1795:1974¹⁾, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related British Standard to ISO 648 is BS 1583:1986 “*Specification for one-mark pipettes.*”

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ When the new edition of ISO 1795 is published it is intended that it be dual-numbered as BS 7164-2.1.