

Australian Standard™

Ferroalloys—Specifications

Part 2: Ferrochromium

This Australian Standard was prepared by Committee MN/6, Ferroalloys. It was approved on behalf of the Council of Standards Australia on 12 June 1998 and published on 5 August 1998.

The following interests are represented on Committee MN/6:

Australasian Institute of Mining and Metallurgy
Australian Foundry Institute
Bureau of Steel Manufacturers of Australia
The Royal Australian Chemical Institute
Steel Reinforcement Institute of Australia

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard' which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcome. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 97475.

AS 3830.2—1998

Australian Standard™

Ferroalloys—Specifications

Part 2: Ferrochromium

First published as AS 3830.2—1998.

Published by Standards Australia
(Standards Association of Australia)
1 The Crescent, Homebush, NSW 2140

ISBN 0 7337 2090 0

PREFACE

This Standard was prepared by the Standards Australia Committee MN/6, Ferroalloys to provide specifications for ferrochromium.

In preparing this Standard, reference was made to the following international Standards:

ISO 5448:1981 Ferrochromium—Specification and conditions of delivery

ASTM A101-93 Specification for ferrochromium

JIS G 2303-1986 Ferrochromium

ISO 5448 is a very general document having limited commercial application to the Australian industry. The following particular points are of relevance:

- (a) Chemical analysis for the major element, in this case chromium, must comply with a specified concentration range. Material that does not fall within this concentration range warrants a complaint. The ISO standard refers only to nominal target concentrations.
- (b) Many clauses of ISO 5448 make mention of agreements between the parties concerned. Such statements in relation to the specification render the document unacceptable as an Australian Standard.
- (c) The general terminology in ISO 5448 is unacceptable. Terms such as *preferably*; *other methods*; *may be used*; *may be agreed* detract from the reasons for preparing specifications.

The objective of this Standard is to prepare an appropriate Australian document which clearly defines specifications and test methods to be used and reflects the real needs of producers, traders and customers in the ferroalloys industry of Australia.

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

CONTENTS

| | <i>Page</i> |
|---|-------------|
| 1 SCOPE | 4 |
| 2 REFERENCED DOCUMENTS | 4 |
| 3 DEFINITIONS | 4 |
| 4 CONSTITUTION OF CONSIGNMENTS | 4 |
| 5 CHEMICAL COMPOSITION | 5 |
| 6 PRODUCT SIZING | 5 |
| 7 PACKAGING, TRANSPORTATION AND STORAGE | 6 |
| 8 TESTING | 6 |
| 9 COMMERCIAL ASPECTS | 7 |