

Method for

**The determination of
iron in magnesium and
magnesium alloys
(photometric —
1 : 10-phenanthroline
method)**

Confirmed
November 2011

Co-operating organizations

The Non-ferrous Metals Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Aluminium Federation	Institution of Mining and Metallurgy
Association of Bronze and Brass Founders	Institution of Production Engineers
Association of Consulting Engineers	Institution of Structural Engineers
Board of Trade	Lead Development Association
British Bronze and Brass Ingot Manufacturers' Association	Light Metal Founders' Association
British Electrical and Allied Manufacturers' Association	London Metal Exchange
British Lead Manufacturers' Association	Magnesium Industry Council*
British Non-ferrous Metals Federation	Ministry of Defence, Army Department*
British Non-ferrous Metals Research Association*	Ministry of Defence, Navy Department
Copper Development Association	National Brassfoundry Association
Crown Agents for Overseas Governments and Administrations	Non-ferrous Metal Stockists*
Electric Cable Makers Confederation	Post Office
High Conductivity Copper Association	Royal Institute of British Architects
Institute of British Foundrymen	Society of British Aerospace Companies Ltd.
Institute of Metals	Society of Motor Manufacturers and Traders Ltd.*
Institution of Mechanical Engineers (Automobile Division)	Tin Research Institute
	Zinc Development Association
	Individual manufacturer

The Government department and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Institute of Sheet Metal Engineering	Individual analysts
Ministry of Aviation	
Ministry of Technology, Laboratory of the Government Chemist	

This British Standard, having been approved by the Non-ferrous Metals Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 17 March 1966

© BSI 11-1999

The following BSI references relate to the work on this standard:
Committee references NFE/23 and NFE/23/4
Draft for comment D65/1418

ISBN 0 580 04391 6

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Co-operating organizations	Inside front cover
Foreword	ii
Introduction	1
Apparatus	1
Solutions required	1
Sampling	1
Procedure	1
Calibration	2
Calculation	2