



BSI Standards Publication

Rubber — Determination of metal content by atomic absorption spectrometry

Part 6: Determination of magnesium content

National foreword

This British Standard is the UK implementation of [ISO 6101-6:2018](#). It supersedes [BS ISO 6101-6:2011](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/22, Testing and analysis of rubber.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 97198 3

ICS 83.060

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2018.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

INTERNATIONAL STANDARD

ISO
6101-6

Second edition
2018-09-28

Rubber — Determination of metal content by atomic absorption spectrometry —

Part 6: Determination of magnesium content

*Caoutchouc — Dosage du métal par spectrométrie
d'absorption atomique —*

Partie 6: Dosage du magnésium



Reference number
ISO 6101-6:2018(E)
Documents
Document Sharing Hub
© ISO 2018



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Reagents	2
6 Apparatus	2
7 Sampling	3
8 Procedure	3
8.1 Preparation of test portion	3
8.2 Preparation of test solution	3
8.2.1 Ashing of test portion (destruction of organic matter)	3
8.2.2 Dissolution of inorganic residue	4
8.3 Preparation of calibration graph	4
8.3.1 Preparation of standard solutions	4
8.3.2 Spectrometric measurements	4
8.3.3 Plotting the calibration graph	4
8.4 Determination	5
8.4.1 Spectrometric measurements	5
8.4.2 Dilution	5
8.4.3 Blank determination	5
8.4.4 Number of determinations	5
8.5 Expression of results	5
9 Precision	6
10 Test report	6
Annex A (Informative) Method of standard additions	7
Annex B (Informative) Precision	8
Bibliography	9