
Determination of resistance to intergranular corrosion of stainless steels —

Part 2:

Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels — Corrosion test in media containing sulfuric acid

Détermination de la résistance à la corrosion intergranulaire des aciers inoxydables —

Partie 2: Aciers inoxydables ferritiques, austénitiques et austéno-ferritiques (duplex) — Essais de corrosion en milieux contenant de l'acide sulfurique



Contents	Page
1 Scope	1
2 Purpose of the test	1
2.1 Verification of the intrinsic resistance of the steel to intergranular corrosion	1
2.2 Inspection of the efficiency of the solution treatment	2
3 Sensitization treatment	2
3.1 Sensitization heat treatment	2
3.2 Sensitization by welding	2
4 Corrosion test	2
4.1 Principle	2
4.2 Test pieces	2
4.3 Preparation of test pieces	4
5 Apparatus	5
6 Test methods	5
6.1 Method A	5
6.2 Method B	5
6.3 Method C	6
6.4 Bend test	6
7 Evaluation	7
8 Test report	7
Annex A (informative) Examples of application	8
Annex B (informative) Comparison of commonly available national standards and this part of ISO 3651	9

© ISO 1998

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland