
Refractory products — Determination of reduced species in carbon containing refractories by XRD

*Produits réfractaires - Détermination par DRX des espèces réduites
dans les réfractaires contenant du carbone*

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

ISO 23071:2021

<https://standards.itih.ai/catalog/standards/iso/742ecb1d-9431-4c85-8258-50cb5455f2f4/iso-23071-2021>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 23071:2021

<https://standards.iteh.ai/catalog/standards/iso/742ecb1d-9431-4c85-8258-50cb5455f2f4/iso-23071-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Apparatus	2
5 Instrument performance	2
6 Sampling	2
7 Procedure	3
7.1 Sample preparation	3
7.2 Measuring parameters	3
7.3 Qualitative analysis	3
7.4 Quantitative analysis	4
7.4.1 General	4
7.4.2 Quantitative phase determination using Rietveld Refinement	4
7.5 Rationalisation of results	5
7.5.1 Calculation refinement for α -Si ₃ N ₄ , β -Si ₃ N ₄ , Si ₂ ON ₂ , BN and AlN	5
8 Limitations of method	6
9 Test report	6
Bibliography	7

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

ISO 23071:2021

<https://standards.itih.ai/catalog/standards/iso/742ecb1d-9431-4c85-8258-50cb5455f2f4/iso-23071-2021>