
**Fine ceramics (advanced ceramics,
advanced technical ceramics) —
Test method for air-purification
performance of semiconducting
photocatalytic materials —**

**Part 3:
Removal of toluene**

*Céramiques techniques — Méthodes d'essai relatives à la performance
des matériaux photocatalytiques semi-conducteurs pour la
purification de l'air —*

Partie 3: Élimination du toluène

ISO 22197-3:2019

<https://standards.iteh.ai/catalog/standards/iso/bb108ff1-b899-4954-a9cf-cda7ef33d5a7/iso-22197-3-2019>



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

[ISO 22197-3:2019](https://standards.itih.ai/catalog/standards/iso/bb108ff1-b899-4954-a9cf-cda7ef33d5a7/iso-22197-3-2019)

<https://standards.itih.ai/catalog/standards/iso/bb108ff1-b899-4954-a9cf-cda7ef33d5a7/iso-22197-3-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

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
Fax: +41 22 749 09 47
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 Symbols	2
5 Principle	2
6 Apparatus	3
6.1 Test equipment	3
6.2 Test gas supply	4
6.3 Photoreactor	4
6.4 Light source	6
6.5 Analytical system	6
7 Test piece	7
8 Procedure	7
8.1 General aspects	7
8.2 Pretreatment of test piece	8
8.3 Toluene removal test	8
9 Calculation	9
10 Test method for test pieces with lower performance	10
11 Test report	10
Annex A (informative) Results of round-robin test	11
Bibliography	12

ISO 22197-3:2019

<https://standards.iteh.ai/catalog/standards/iso/bb108ff1-b899-4954-a9cf-cda7ef33d5a7/iso-22197-3-2019>