

---

---

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

**Part 4:  
Removal of formaldehyde**

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

*Partie 4: Élimination du formaldéhyde*

ISO 22197-4:2021

<https://standards.iteh.ai/catalog/standards/iso/9f3c64ae-3a42-42d7-87d9-e1076c57496f/iso-22197-4-2021>



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

[ISO 22197-4:2021](https://standards.iteh.ai/catalog/standards/iso/9f3c64ae-3a42-42d7-87d9-e1076c57496f/iso-22197-4-2021)

<https://standards.iteh.ai/catalog/standards/iso/9f3c64ae-3a42-42d7-87d9-e1076c57496f/iso-22197-4-2021>



**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](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
Foreword .....	iv
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Symbols</b> .....	<b>2</b>
<b>5 Principle</b> .....	<b>2</b>
<b>6 Apparatus</b> .....	<b>3</b>
6.1 Test equipment .....	3
6.2 Test gas supply .....	6
6.3 Photoreactor .....	6
6.4 Light source .....	6
6.5 Analytical system .....	6
<b>7 Test piece</b> .....	<b>6</b>
<b>8 Procedure</b> .....	<b>7</b>
8.1 General aspects .....	7
8.2 Pretreatment of test piece .....	7
8.3 Preparation for the test .....	8
8.4 Pretest .....	8
8.5 Removal test .....	8
<b>9 Calculation</b> .....	<b>9</b>
<b>10 Test method for test pieces with lower performance</b> .....	<b>9</b>
<b>11 Test report</b> .....	<b>9</b>
<b>Bibliography</b> .....	<b>11</b>

ISO 22197-4:2021

<https://standards.iteh.ai/catalog/standards/iso/9f3c64ae-3a42-42d7-87d9-e1076c57496f/iso-22197-4-2021>