

INTERNATIONAL  
STANDARD

ISO  
5533

First edition  
2023-10

---

---

**Textiles — Quantification of carbon  
fibre constituent element — Elemental  
analyser method**

*Textiles — Quantification des éléments constitutifs des fibres de  
carbone — Méthode de l'analyseur élémentaire*



Reference number  
ISO 5533:2023(E)

© ISO 2023



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2023

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
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<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 Principle</b> .....	<b>1</b>
<b>5 Reagents and materials</b> .....	<b>1</b>
<b>6 Apparatus</b> .....	<b>2</b>
<b>7 Preparation of test specimen</b> .....	<b>3</b>
7.1 General.....	3
7.2 Desizing.....	3
7.3 Drying.....	3
7.4 Cutting.....	3
<b>8 Test procedure</b> .....	<b>3</b>
8.1 Preparation of dosing test specimen.....	3
8.2 Procedure.....	3
<b>9 Calculations and display results</b> .....	<b>4</b>
<b>10 Test report</b> .....	<b>4</b>
<b>Annex A (informative) Examples of elemental analyser condition</b> .....	<b>6</b>