
**Plastics — Polyurethane raw materials —
Determination of isocyanate content**

**AMENDMENT 1: Acceptable variations in
the procedure for method B**

*Plastiques — Matières premières des polyuréthanes — Détermination
de la teneur en isocyanate*

*AMENDEMENT 1: Variantes acceptables du mode opératoire pour la
méthode B*

ISO 14896:2006/Amd 1:2007

<https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b6282cf44/iso-14896-2006-amd-1-2007>



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 14896:2006/Amd 1:2007](https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b36282cf44/iso-14896-2006-amd-1-2007)

<https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b36282cf44/iso-14896-2006-amd-1-2007>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

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 either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 14896:2006 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

iTeh STANDARD PREVIEW (standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b36282cf44/iso-14896-2006-amd-1-2007>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 14896:2006/Amd 1:2007](https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b6282cf44/iso-14896-2006-amd-1-2007)

<https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b6282cf44/iso-14896-2006-amd-1-2007>

Plastics — Polyurethane raw materials — Determination of isocyanate content

AMENDMENT 1: Acceptable variations in the procedure for method B

Page 2, Subclause 4.2

Add the following text at the end of the existing text:

See also 12.1.8.

Page 7, Subclause 12.1

Add the following text, detailing acceptable variations to the procedure, at the end of 12.1:

12.1.8 The following variations in the procedure are acceptable:

In general, any other dry aprotic solvent may be used, instead of TCB, as the solvent for the amine which reacts with the isocyanate group to form the corresponding substituted urea. For instance, toluene, xylene, monochlorobenzene, dichlorobenzene, dimethylformamide and *N*-methylpyrrolidone have all been used with success as solvents. If the sample already contains one or more of these solvents to a large extent, it may not even be necessary to add any solvent.

In addition, cyclohexylamine has been used with success, instead of dibutylamine, as the amine.

Instead of methanolic hydrochloric acid, hydrochloric acid in solvents like butanol, 2-propanol and acetone has been used with success.

If the expected NCO content of the sample is small and only a limited quantity of sample is available, making it impossible to increase the size of the sample, the concentration of the HCl solution may be adjusted accordingly. Thus 0,2 mol/l or even 0,01 mol/l HCl may be used if lower NCO contents have to be measured, in order to obtain accurate results. Such low NCO contents can be found in solutions of isocyanates or prereacted isocyanates.

The sample may be dissolved in the solvent before the amine is added. If so, this shall be mentioned in the test report.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 14896:2006/Amd 1:2007](https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b6282cf44/iso-14896-2006-amd-1-2007)

<https://standards.iteh.ai/catalog/standards/sist/d779a135-1a15-4879-af17-65b6282cf44/iso-14896-2006-amd-1-2007>

ICS 83.080.10

Price based on 1 page