
**Textiles — Domestic washing and drying
procedures for textile testing**

AMENDMENT 1

*Textiles — Méthodes de lavage et de séchage domestiques en vue des
essais des textiles*

iTeh STANDARD PREVIEW
AMENDEMENT 1
(standards.iteh.ai)

ISO 6330:2000/Amd 1:2008

<https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008>



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 6330:2000/Amd 1:2008](https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008)

<https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2008

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 6330:2000 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 6330:2000/Amd 1:2008](https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008)

<https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 6330:2000/Amd 1:2008](https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008)

<https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008>

Textiles — Domestic washing and drying procedures for textile testing

AMENDMENT 1

Page 1

Subclause 1.1

Replace entire wording with the following:

This International Standard specifies standardized washing and drying procedures for textile testing. The procedures are applicable to textile fabrics, garments and other made-up textile articles which are subjected to appropriate combinations of domestic washing and drying procedures.

Subclause 1.2

Replace the entire wording with the following:

Provision is made for:

- a) ten different washing procedures based on the use of a horizontal drum, front loading type machine (type A washer).

This amendment allows for the use of a replacement of the horizontal drum machine and the machine specified in previous additions of this International Standard. The original machine is no longer manufactured.

Limited trials carried out indicate that tested fibre and fabric types in both machines give similar results under the same wash conditions.

- b) eleven different washing procedures based on the use of top loading agitator type of machine (type B washer).

The results obtained in the two types of machine, horizontal and vertical, may not be the same.

Clause 2 Normative references

Remove dates from normative references:

ISO 3758, *Textiles — Care labelling code using symbols*

ISO 6059, *Water quality — Determination of the sum of calcium and magnesium — EDTA titrimetric method*

Clause 4 Reagents

Replace the entire text existant in Clause 4 with:

4.1 Reference detergents

4.1.1 Reference detergent 1

Reference detergent 1 is a non-phosphate detergent without brightener and without enzymes. (Other designation (AATCC 1993 reference detergent WOB.)

NOTE 1 Reference detergent 1 can be used only in top loading type B washers.

NOTE 2 The nominal composition of reference detergent 1 is given in Annex A.

4.1.2 Reference detergent 2

Reference detergent 2 is a non-phosphate detergent without optical brightener and without enzymes. (Other designation ECE reference detergent 98.)

NOTE 1 Reference detergent 2 can be used in both machine type A and type B.

NOTE 2 The nominal composition of reference detergent 2 is given in Annex B.

NOTE 3 For distribution and mixing see Annex E.

4.1.3 Reference detergent 3

Reference detergent 3 is a non-phosphate detergent with optical brightener but without enzymes. (Earlier incorrect designation IEC reference detergent A.)

NOTE 1 Reference detergent 3 can be used in both machine type A and type B.

NOTE 2 The nominal composition of reference detergent 3 is given in Annex C.

NOTE 3 For distribution and mixing see Annex E.

4.1.4 Reference detergent 4

Reference detergent 4 is a non-phosphate detergent with optical brightener and with enzymes. (Other designation IEC reference detergent A*.)

NOTE 1 Reference detergent 4 can be used in both machine type A and type B.

NOTE 2 The nominal composition of reference detergent 4 is given in Annex D.

NOTE 3 For distribution and mixing see Annex E.

4.2 Water of hardness not exceeding 0,002 % (20 ppm), expressed as calcium carbonate, when determined in accordance with ISO 6059.

Subclause 5.1.1 Type A washer — Front loading, horizontal drum type

Replace the entire text with the following:

5.1.1 Type A washer — Front loading, horizontal drum type

NOTE 1 Suitable machines are available commercially. Names of such machines can be obtained from national standard bodies. Other machines can be used if it has been established that they give equivalent results.

Type	Front loading horizontal rotating machine		Type A1 Specification for older machines no longer in production but still in use	Type A2 Specification for the new replacement machine	
Inner drum	Diameter		(515 ± 5) mm	(520 ± 1) mm	
	Depth		(335 ± 5) mm	(315 ± 1) mm	
	Volume		65 l	61 l	
	Lifting vanes	Number		3	3
		Height		(50 ± 5) mm	(50 ± 1) mm
		Length		Extended the depth of the inner drum	Extended the depth of the inner drum
	Spacing		120°	120°	
Outer drum	Diameter		(575 ± 5) mm	(554 ± 1) mm	
Drum speed	Wash	With load and water	(52 ± 1) rpm [(0,866 ± 0,016) s ⁻¹]	(52 ± 1) rpm [(0,866 ± 0,016) s ⁻¹]	
	Hydroextraction (spin)		(500 ± 20) rpm [(8,333 ± 0,333) s ⁻¹]	(500 ± 20) rpm [(8,333 ± 0,333) s ⁻¹]	
Heating system	Heating power		(5,4 ± 0,108) kW	(5,4 ± 0,108) kW	
	Thermostat		Controlled	Controlled	
		Accuracy at switch off temperature		± 1 °C	± 1 °C
	Switch on temperature		≤ 4 °C below switch-off temperature	≤ 4 °C below switch-off temperature	

Rotating action	Normal ON	Tolerance refer to timer intervals	(12 ± 0,1) s	(12 ± 0,1) s
	Normal OFF		(3 ± 0,1) s	(3 ± 0,1) s
	Gentle ON	Tolerance refer to timer intervals	(3 ± 0,1) s	(3 ± 0,1) s
	Gentle OFF		(12 ± 0,1) s	(12 ± 0,1) s
Water system	Cold water supply		(16 ± 2) l/min	(20 ± 2) l/min
			(20 ± 5) °C	(20 ± 5) °C
	Level sensing	Step size	≤ 3 mm	≤ 3 mm
		Repeatability	± 5 mm (± 1 litre)	± 5 mm (± 1 litre)
	Drain system	Drain valve	> 30 l/min	> 30 l/min

NOTE 2 In tropical countries the water temperature (20 ± 5) °C should be regarded as a minimum temperature. When the measurement is carried out with the water temperature different from these limits, the supply water temperature should be stated in the measurement report.

Page 5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Subclause 7.3

Change text in parentheses in line four from: (4.1.1 to 4.1.3) to (4.1.1 to 4.1.4).

<https://standards.iteh.ai/catalog/standards/sist/eeaca063-1d2b-4fde-8fb7-945b8932b59b/iso-6330-2000-amd-1-2008>

Page 6

Clause 8.5, Procedure E — Tumble dry

In paragraph four, line 2 change "Annex C" to "Annex F"; line 3 change 65 °C to 65 %.

Page 7

Table 1, footnote ^b

Replace wording to read:

^b All filling temperatures for wash and rinse are (20 ± 5) °C (except in tropical countries see 5.1.1 Note 2). Main wash temperature refers to heating switch off temperature.

Table 1, footnote ^h

Replace wording to read:

^h Heat to 40 °C, hold temperature for 15 min with agitation before heating to wash temperature.

Page 9

Annex A
(normative)

Replace entire text with:

**Nominal percentage composition for non-phosphate reference
detergent 1**

(AATCC 1993 reference detergent WOB)

Composition	Reference detergent 1 %
Linear sodium alkylbenzene sulfonate sodium salt ^a	18,00
Sodium aluminosilicate solids	25,00
Sodium carbonate	18,00
Sodium silicate solids ^b	0,50
Sodium sulfate	22,13
Polyethylene glycol ^c	2,76
Sodium polyacrylate	3,50
Silicone, suds suppressor	0,04
Moisture	10,00
Miscellaneous (unreacted in surfactant stocks)	0,07
Total	100,0

^a C11.8LAS, introduced as Stepan's Calsoft L-50-12.^b SiO₂:Na₂O = 1,6:1.^c 2 % introduced via base granulates and 0,76 % introduced via suds suppressor admixture.