

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

JIS L 1930 : 2024

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

---

ICS 59.080.01

Reference number : JIS L 1930 : 2024 (E)

PROTECTED BY COPYRIGHT

42 S

L 1930 : 2024

Date of Establishment: 2014-10-20

Date of Revision: 2024-08-20

Date of Public Notice in Official Gazette: 2024-08-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Consumer Life Products

---

JIS L 1930 : 2024, First English edition published in 2025-11

Translated and published by: Japanese Standards Association  
Mita Avanti, 3-11-28, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

---

In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

© JSA 2025

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 the publisher.

Printed in Japan

SW

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
1.2 Provision of this Standard .....	1
1.3 Washing procedure .....	1
1.4 Drying procedure .....	1
1.5 Provision of test .....	2
2 Normative references .....	2
3 Terms and definitions .....	2
4 Principle .....	4
5 Apparatus and materials .....	4
5.1 Automatic washing machines .....	4
5.2 Tumble dryers .....	4
5.3 Electrically (dry) heated flat-bed press .....	4
5.4 Line drying .....	4
5.5 Drying racks .....	4
5.6 Ballasts .....	4
6 Detergent and water .....	5
6.1 Reference detergents .....	5
6.2 Water .....	6
7 Conditioning and testing atmosphere .....	7
8 Wash load .....	7
8.1 Total wash load .....	7
8.2 Number of specimens .....	7
8.3 Selection of ballast .....	7
8.4 Ratio of load to ballast .....	7
9 Washing procedure .....	7
10 Drying procedure .....	8
10.1 General .....	8
10.2 Open-air dry .....	8
10.3 Procedure E — Flat press .....	9
10.4 Tumble dry .....	9
11 Test report .....	10
Annex A (normative)      Specification for reference washing machine Type A — Horizontal axis, front-loading type (drum Type) .....	12

Annex B (normative)	Specification for washing procedures for reference washing machine Type A (drum type) .....	14
Annex C (normative)	Specification for washing procedures for reference washing machine Type B — Vertical axis, top-loading type (agitator type) .....	16
Annex D (normative)	Specification for reference washing machine Type C — Vertical axis, Top-loading type (pulsator type) .....	17
Annex E (normative)	Specification for washing procedures for reference washing machine Type C (pulsator type) .....	18
Annex F (normative)	Specification for tumble dryers .....	19
Annex G (normative)	Specification for all ballast types used in washing .....	20
Annex H (normative)	Composition of reference detergent 1 .....	21
Annex I (normative)	Composition of reference detergent 2 .....	23
Annex J (normative)	Composition of reference detergent 3 .....	24
Annex K (normative)	Composition of reference detergent 4 .....	25
Annex L (normative)	Composition of reference detergent 6 .....	26
Annex M (normative)	Composition of reference detergent 7 .....	27
Annex N (normative)	Distribution and mixing of reference detergent 2, 3 or 6 .....	28
Annex O (normative)	Determination of cycle drying time for tumble dryers with a timer device .....	30
Annex JA (informative)	Measuring method for washing mechanical force by reference washing machine Type C and results of measuring .....	33
Annex JB (informative)	Comparison table between JIS and corresponding International Standard .....	43

## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This edition replaces the previous edition (**JIS L 1930** : 2014), which has been technically revised.

This **JIS** document is protected by the Copyright Act.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

Blank

# Textiles — Domestic washing and drying procedures for textile testing

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 6330** : 2021, Edition 4, with some modifications of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

This Standard is utilized for quality and performance evaluations of a broad range of textile (textile, fabrics, garments, etc.) including but not exclusive to: appearance change, dimensional change, soil resistance, water repellency, colour fastness to domestic washing and drying (except for bleaching and ironing). This Standard is also used to evaluate not only the attributes (performance, property) of fabrics themselves but also the performance of apparel, home products and other textile end-products.

## 1. Scope

**1.1** This Standard specifies domestic washing and drying procedures for textile testing. The procedures are applicable to textile fabrics, garments or other textile articles which are subjected to appropriate combinations of domestic washing and drying procedures.

## 1.2 Provision of this Standard

Provision is made for as follows.

- a) 16 different washing procedures based on the use of the reference washing machine Type A.
- b) 12 washing procedures based on the use of the reference washing machine Type B.
- c) 8 washing procedures based on the use of the reference washing machine Type C.

## 1.3 Washing procedures

Each washing procedure represents a single domestic wash.

## 1.4 Drying procedure

This Standard specifies six drying procedures:

- Line dry
- Line drip dry (air drying)
- Flat dry
- Flat drip dry
- Flat press
- Tumble dry