



WITHDRAWAL

October 2017

Care Labelling of Textiles

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Octobre 2017

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Care Labelling of Textiles

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CARE LABELLING OF TEXTILES

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CARE LABELLING OF TEXTILES

1. SCOPE

- 1.1 This standard designates a system of symbols to be used in the labelling of textiles to indicate the preferred care procedures for restoring the textiles to an acceptable usable condition with respect to the properties stated in par. 1.2.
- 1.2 The symbol system described in this standard relates primarily to the properties of colourfastness, dimensional stability, effect of retained bleaching agent whether or not included in the detergent and maximum safe ironing temperature. The use of this system signifies that as a result of the restorative treatment, there shall be no appreciable change in the appearance of the textile. The properties which may be assessed for appearance change include, but are not limited to: 1) seam puckering due to differential shrinkage; 2) blistering, delamination or deterioration of coated, bonded, laminated and fused fabrics; 3) staining of fusibles; 4) fraying of seams; 5) deterioration of fasteners; or 6) performance of textile or non-textile trim¹.
- 1.3 The symbol system described in this standard is not intended to be used on upholstered furniture, mattresses, carpets, articles predominantly leather and/or fur, yarns or hosiery².
- 1.4 Symbols are specified for five restorative treatments: washing, bleaching, drying, ironing/pressing and professional textile care. Symbols are defined in terms of standard test methods.
- 1.5 It should not be assumed that the absence of a particular care symbol on a label implies that the care procedure represented by that symbol may be safely used. For example, when no professional textile care symbol is shown on a care label bearing a washing symbol, professional textile care may cause damage; conversely when no washing symbol is shown on a care label bearing a professional textile care symbol, washing may cause damage. (See Section 5.)
- 1.6 The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. REFERENCED PUBLICATIONS

2.1 The following publications are referenced in this standard:

2.1.1 Canadian General Standards Board (CGSB)

CAN/CGSB-4.2 — Textile Test Methods:

No. 18.3/ISO 105-B02:1994 — Textiles — Tests for Colourfastness — Part B02: Colourfastness to Artificial Light: Xenon Arc Fading Lamp Test

No. 19.1 — Colourfastness to Washing — Accelerated Test — Launder-Ometer

No. 19.2/ISO 105-C06:1994 — Textiles — Tests for Colourfastness — Part C06: Colourfastness to Domestic and Commercial Laundering

No. 24 — Colourfastness and Dimensional Change in Commercial Laundering

No. 25.1 — Dimensional Change in Wetting

¹ Recommended test methods for the assessment of appearance changes are listed in Appendix A.

² Upholstered furniture, carpets, and articles predominantly leather and/or fur require special care procedures that are not addressed in this standard. Yarns and hosiery are excluded from the scope of this standard due to the lack of test methods for the determination of dimensional stability.

No. 29.1 — Colourfastness to Dry Cleaning Solvent

No 31/ISO 105-X11:1987 Textiles — Tests for Colourfastness — Part X11: Colourfastness to Hot Pressing

No. 46/ISO 105-A02:1993 — Textiles — Tests for Colourfastness — Part A02: Grey Scale for Assessing Change in Colour

No. 47/ISO 105-A03:1993 — Textiles — Tests for Colourfastness — Part A03: Grey Scale for Assessing Staining

No. 55 — Loss in Strength and Colour Change of Fabrics Due to Retained Chlorine

No. 58 — Colourfastness and Dimensional Change in Domestic Laundering of Textiles.

2.1.2 International Organization for Standardization (ISO)

ISO 105-C09:2001 Textiles — Tests for colour fastness — Part C09: Colour fastness to domestic and commercial laundering — Oxidative bleach response using a non-phosphate reference detergent incorporating a low temperature bleach activator

ISO 675:1979 Textiles — Woven fabrics — Determination of dimensional change on commercial laundering near the boiling point

ISO 3005:1978 Textiles — Determination of dimensional change of fabrics induced by free-steam.

2.2 A dated reference in this standard is to the issue specified. An undated reference in this standard is to the latest issue, unless otherwise specified by the authority applying this standard. The sources are given in the Notes section.

3. TERMS AND DEFINITIONS

3.1 For the purpose of this standard, the following terms and definitions apply:

Bleaching (Blanchiment)

A process carried out in aqueous medium before, during, or after washing, requiring the use of an oxidizing agent for the purpose of improving soil and stain removal and/or improving whiteness.

Bleach (Agent de blanchiment)

An oxidizing agent, including either chlorine or oxygen/non-chlorine product, for the purpose of improving soil and stain removal and /or improving whiteness.

Chlorine Bleach (Agent de blanchiment chloré)

An agent that releases hypochlorite ions in solution, e.g. sodium hypochlorite.

Oxygen/Non-chlorine Bleach (Agent de blanchiment à l'oxygène non chloré)

An agent that releases a peroxygen species in solution. Oxygen bleach products encompass a wide range of different activated and non-activated bleaching species which vary in their activity.

Components of Textile Articles (Éléments des articles textiles)

Items such as fabrics, trim and findings including fasteners, belts, linings, etc., used in made-up textiles.

Ironing and Pressing (Repassage et pressage)

A process carried out on a textile article to restore its shape and appearance by means of an appropriate appliance using heat and pressure.

Natural Drying (Séchage naturel)

A process carried out on a textile article after washing with the intention of removing residual water by line drying, drip drying, drying flat in the sun or in the shade.

Permanent Label (Étiquette permanente)

A label applied to a textile in such a way that it will remain firmly attached and legible (Grey Scale 4 contrast or better) for a minimum of ten cleanings or throughout the useful life of the textile, whichever is less.

Point-of-Sale Label (Étiquette de point de vente)

A label applied to a textile in such a way that the care information is clearly visible at the time the textile is sold to the consumer (e.g. affixed to the end of a bolt core, shown on a wrapper or package, etc.).

Professional Textile Care (Entretien professionnel des textiles)

A process for cleaning textile articles by professionals, excluding commercial laundering.

Professional Dry Cleaning (Nettoyage à sec professionnel)

A process for cleaning textile articles by means of treatment in any solvents (excluding a treatment in water) normally used for dry-cleaning by professionals. This process consists of cleaning, rinsing, spinning. It is followed by appropriate drying and restorative finishing procedures.

Professional Wet-cleaning (Lavage professionnel)

A process for cleaning textile articles in water by professionals using special technology (cleaning, rinsing and spinning), specialized detergents, and additives to minimize adverse effects. It is followed by appropriate drying and restoration procedures.

Restoration Procedure (Méthode de remise en état)

The term used in test methods for dimensional stability in laundering and professional textile care; applies to the procedure used following washing and drying in an attempt to reshape and restore, with minimum tension, the article to its original dimensions.

Restorative Treatment (Opérations d'entretien)

The care procedure used to return soiled and/or creased textiles to an acceptable usable condition.

Supplementary Care Information (Renseignements d'entretien additionnels)

Care information in addition to that provided by the care symbols.

Textile (Textile)

Any article made in whole or in part from textile fibres in the form of piece goods, clothing and home furnishing items (including all components).

Tumble Drying (Séchage par culbutage)

A process carried out on a textile after washing, with the intention of removing residual water by treatment with air at appropriate temperatures in rotating drum.

Washing (Lavage)

A process designed to clean textile articles in an aqueous bath. Washing includes all or some of the following operations in relevant combinations:

- a. soaking, pre-washing and appropriate main washing procedures — carried out usually with heating, mechanical action and in presence of detergents or other products — and rinsing;
- b. water extraction, i.e. spinning or wringing performed during and/or at the end of the operations mentioned above.

These operations may be carried out by machine or by hand.

4. DESCRIPTION OF THE CARE SYMBOLS

- 4.1 **Basic Symbols** — The five basic symbols and the restorative treatments that they represent are as follows:

Washtub — Washing

Triangle — Bleaching

Square — Drying

Hand Iron — Ironing or Pressing

Circle — Professional Textile Care.

- 4.2 **Main Descriptive Markings** — Main descriptive markings, i.e. cross, bars and dots, are added to the basic symbols to further define the care procedure.

4.2.1 **Definitions of Main Descriptive Markings**

Bars (Type of cycle) — This type of descriptive marking is used for the washing and drying symbols. No bar under the symbol indicates a normal cycle. A single bar “ _____ ” shall be used under the symbol to indicate a mild or permanent press cycle. A double bar “ = ” shall be used under the symbol to indicate a very mild or delicate/gentle cycle.

Cross (Prohibition) — The St. Andrew’s cross, superimposed on a symbol, means that the treatment represented by that symbol is prohibited. The symbol with a superimposed “X” shall be used only when evidence can be provided that the restorative treatment represented is detrimental to the textile.

Dots (Temperature) — For the washing symbol, the temperature shall be indicated by dots representing a temperature³, as specified in Table 1. A numerical figure representing the temperature in degrees Celsius may accompany the dot(s), e.g. if the recommended temperature of the water is 40°C, 2 dots must be used and may be accompanied by the number 40. For the drying and ironing symbols, the temperature shall be indicated by dots representing a temperature setting as specified in Tables 3 and 4 respectively.

4.3 **Additional Descriptive Markings** — Additional descriptive markings, e.g. “hand” in the washing symbol or letter representing the solvent in the dry-cleaning symbol, are specific to each procedure and are used to further define the care procedure.

5. **USE OF THE CARE SYMBOLS**

5.1 **General**

5.1.1 For made-up textiles, the restorative treatments recommended by the care symbols on a label shall apply to the complete textile article including all components. However, in the case of removable components that cannot withstand the recommended restoration treatments (such as trim), it is permissible to use the care symbols providing that the component to which the symbols do not apply is clearly indicated on the care label or on a separate label securely attached to or near the care label, e.g. “Care instructions not applicable to removable trim/Les instructions d’entretien ne s’appliquent pas à la garniture amovible.” This information must be shown in English and French and meet the requirements of par. 5.1.1.1 and 5.1.2. Expressions used in relation to fibre content information, as required under the *Textile Labelling and Advertising Regulations*, e.g. “exclusive of trim,” “exclusive of ornamentation,” etc., shall not be used in conjunction with the symbols.

5.1.1.1 The symbols shall be clearly legible and capable of withstanding the restorative treatments they represent. Symbols may be produced by printing, weaving, or other suitable means.

5.1.2 Care symbols shown on the care labels for piece goods and on wrappers shall be clearly legible.

5.2 **Required Number of Symbols**

5.2.1 The laundering process on a care label shall be represented by a minimum of four care symbols: washing, bleaching, drying and ironing. The required symbol may be a prohibitive symbol (“X”) if necessary. The professional textile care process on a care label shall be represented, as a minimum, by the dry-cleaning symbol.

5.2.2 On a textile that is washable but should not receive professional textile care, it is desirable that the symbol warning against professional textile care be shown along with the appropriate washing symbol.

5.2.3 On a textile that is normally considered to be washable but that must in fact receive professional textile care, it is desirable that the symbol warning against washing be shown along with the appropriate professional textile care symbol.

5.3 **Order of Symbols** — The symbols shown on a textile or on a label, shall appear in the following order: washtub, triangle, square, hand iron, circle.

5.4 **Placement of Symbols** — The symbols may be placed directly on the textile or on a suitable label (Section 7).

³ You may refer to Appendix B — Use of Dots for Defining Temperature of Water for Washing Symbol for the description and definition of the dot symbols.

6. SUPPLEMENTARY CARE INFORMATION

- 6.1 If necessary, care information in addition to that given by the care symbols (e.g. “wash separately/laver seul,” “3 min wash max./lavage 3 min max.”) shall be shown in words, provided that the wording is in English and French and meets the requirements of par. 5.1.1.1 and 5.1.2.
- 6.1.1 When, for a valid reason, a departure from the normal requirements of the care labelling standard is required, care symbols may be used but the symbols must be accompanied by words to indicate where the departure has occurred. In the case of blue jeans, for example, shrinkage and fading are characteristic of the style of the garment. Blue jeans that do not meet normal care labelling requirements may be care labelled provided that per cent shrinkage is stated and the following care information is also shown: “colours may fade/les couleurs peuvent pâlir” and “wash separately/laver seul.”
- 6.2 A supplementary care symbol may be used for a textile that could be harmed by wringing. The symbol is found in Appendix C and may be accompanied by the words “Do Not Wring/Ne pas essorer.”
- 6.3 A supplementary care symbol may be used for a textile that can receive professional wet-cleaning textile care. The symbol is found in Appendix C.
- 6.4 The additional information shall be shown on the care label or on a separate label securely attached to or near the care label.

7. REQUIREMENTS FOR CARE LABELS

- 7.1 **Type** — Care labels shall be permanent with the exception of piece goods, which may be labelled using a point-of-sale label.
- 7.1.1 **Permanent Labels**
- 7.1.1.1 The materials used for any permanent label applied to the article shall be capable of withstanding the restorative treatments represented by the care label. When textiles are subjected to the care procedures recommended on the label, the labels shall not stain any portion of the article to which they are attached and shall be sufficiently colourfast to remain legible (Grey Scale for assessing staining 4 contrast or better) for a minimum of ten restorative treatments or throughout the useful life of the article, whichever is less. The dimensional stability properties of the label shall be such that the label will not distort the article to which it is attached.
- 7.1.1.2 Care labels that will be in close contact with the skin should be non irritating. Care labels shall be positioned in a reasonably conspicuous area of the textile article and shall be so applied that they will remain firmly attached for a minimum of ten restorative treatments or throughout the useful life of the article, whichever is less.
- 7.1.1.3 It may also be desirable to repeat the care symbols on the package of prepackaged goods, hang tags, adhesive stickers or other non-permanent labels.
- 7.1.2 **Point-of-Sale Labels (Piece Goods)** — Care labels shall be affixed to the end of the bolt core or the spool on which the goods are displayed for sale, or in such a way that the care information is clearly visible to the prospective purchaser.

8. SPECIFICATIONS FOR SYMBOLS

- 8.1 **General** — In addition to the properties of colourfastness, dimensional stability, effect of retained bleaching agent whether or not included in detergent and maximum safe ironing temperature described below, use of this system signifies that as a result of the restorative treatment, there shall be no appreciable change in the appearance of the textile product. The properties which may be assessed for appearance change include, but are not limited to: 1) seam puckering due to differential shrinkage; 2) blistering, delamination or deterioration of coated, bonded, laminated and fused fabrics; 3) staining of fusibles; 4) fraying of seams; 5) deterioration of fasteners; or 6) performance of textile or non-textile trim⁴.

⁴ Recommended test methods for the assessment of appearance changes are listed in Appendix A.

8.2 **Dimensional Stability**⁵

8.2.1 **All textiles not subject to par. 8.2.2** — The textile shall not shrink or stretch more than 3% in either direction or more than the maximum dimensional change shown on the care label or on a separate label securely attached to or near the care label.

8.2.2 **All knitted textiles, excluding coated knitted textiles and textiles having both woven and knitted components** — The textile shall not shrink or stretch in either direction more than the maximum values given below or more than the maximum dimensional change shown on the care label or on a separate label securely attached to or near the care label.

<u>Category of Knitted Textile</u>	<u>Maximum dimensional change, each direction (%)</u>
Weft-knit underwear and sleepwear	10
Warp-knit slips, gowns, and other lingerie and sleepwear	5
Casual wear (including but not limited to T-shirts, jogging suits, sweaters)	6
Dresses, skirts, jackets, pants, coats, blouses, dress shirts	3
Home furnishing items	3

A textile which does not fit into the above table may bear the washing symbol provided that the maximum dimensional change, if greater than 3%, is shown on the care label or on a separate label securely attached to or near the care label.







8.2.3 A textile that exceeds the maximum dimensional change specified in par. 8.2.1 or 8.2.2 may bear the care symbol provided that the maximum dimensional change is shown on the care label or on a separate label securely attached to or near the care label.

8.3 **Washing Symbols** — Textiles bearing washing symbol 1 through 17 as illustrated in Table 1, shall meet the requirements of par. 8.2 and 8.3.1 when tested in accordance with Table 1. A textile bearing washing symbol 18, as illustrated in Table 1 shall fail to meet the requirements of par. 8.2 and/or 8.3.1 when tested in accordance with Table 1.








⁵ The dimensional stability of a textile is dependent on the fibre content, the knit structure, the restorative treatment and the end use of the textile.






TABLE 1

**Washing Symbols — Test Methods for
Colourfastness and Dimensional Stability**

Symbol No.	Symbol ⁶ and Symbol Meaning	Test Method (CAN/CGSB-4.2)	
		Colourfastness	Dimensional Stability
1	 Wash in commercial machine in water not exceeding 95°C, at normal setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. E1S	ISO 675, including appropriate drying procedure (as indicated on the care label), and if required, a restoration procedure as provided in the relevant method for textiles subject to par. 8.2.1 or no restoration procedure for textiles subject to par. 8.2.2.
2	 Wash in commercial machine in water not exceeding 95°C, at permanent press setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. E1S	ISO 675, including appropriate drying and restoration procedures as per symbol 1.
3	 Wash in domestic or commercial machine in water not exceeding 70°C, at normal setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. D1M	5 cycles of No. 24, Procedure I or of No. 58, Procedure IV, including appropriate drying procedure and restoration procedures as per symbol 1.
4	 Wash in domestic or commercial machine in water not exceeding 60°C, at normal setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. C1M	5 cycles of No. 24, Procedure II or of No. 58, Procedure VII, including appropriate drying procedure and restoration procedures as per symbol 1.
5	 Wash in domestic or commercial machine in water not exceeding 60°C, at permanent press setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. C1S	5 cycles of No. 24, Procedure I or of No. 58, Procedure VII, including appropriate drying procedure and restoration procedures as per symbol 1.
6	 Wash in domestic or commercial machine in water not exceeding 50°C, at normal setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. B1M	5 cycles of No. 24, Procedure III, or of No. 58, Procedure III, including appropriate drying and restoration procedures as per symbol 1.

⁶ Dots are mandatory. A number may be used in addition as a descriptive marking in Symbols 1 through 16 to represent the temperature in degrees Celsius.

Symbol No.	Symbol ⁶ and Symbol Meaning	Test Method (CAN/CGSB-4.2)	
		Colourfastness	Dimensional Stability
7	 Wash in domestic or commercial machine in water not exceeding 50°C, at permanent press setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. B1M	5 cycles of No. 24, Procedure III or of No. 58, Procedure III, including appropriate drying and restoration procedures as per symbol 1.
8	 Wash in domestic or commercial machine in water not exceeding 50°C, at delicate/gentle setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. B1S	5 cycles of No. 24, Procedure IV, or of No. 58, Procedure II, including appropriate drying and restoration procedures as per symbol 1.
9	 Wash in domestic or commercial machine in water not exceeding 40°C, at normal setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. A1M	5 cycles of No. 24, Procedure V, or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1.
10	 Wash in domestic or commercial machine in water not exceeding 40°C, at permanent press setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. A1M	5 cycles of No. 24, Procedure V or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1.
11	 Wash in domestic or commercial machine in water not exceeding 40°C, at delicate/gentle setting.	CAN/CGSB-4.2 No. 19.2/ISO 105 C06:1994, Test No. A1S	5 cycles of No. 24, Procedure V or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1.
12	 Wash in domestic or commercial machine in water not exceeding 30°C, at normal setting.	No. 19.1	5 cycles of No. 24, Procedure V, or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1 with wash and rinse water temperature for wash and rinse cycles to be 30 ± 3°C.
13	 Wash in domestic or commercial machine in water not exceeding 30°C, at permanent press setting.	No. 19.1	5 cycles of No. 24, Procedure V or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1 with wash and rinse water temperature for wash and rinse cycles to be 30 ± 3°C.

Symbol No.	Symbol ⁶ and Symbol Meaning	Test Method (CAN/CGSB-4.2)	
		Colourfastness	Dimensional Stability
14	 Wash in domestic or commercial machine in water not exceeding 30°C, at delicate/gentle setting.	No. 19.1	5 cycles of No. 24, Procedure V or of No. 58, Procedure I, including appropriate drying and restoration procedures as per symbol 1 with wash and rinse water temperature for wash and rinse cycles to be 30 ± 3°C.
15	 Wash gently by hand in water not exceeding 40°C.	No. 19.1	5 treatments of No. 25.1, including appropriate drying procedure (as indicated on the care label) and if required, a tension pressing restoration procedure for textiles subject to par. 8.2.1 or no restoration procedure for textiles subject to par. 8.2.2.
16	 Wash gently by hand in water not exceeding 30°C.	No. 19.1	5 treatments of No. 25.1, including appropriate drying procedure (as indicated on the care label) and if required, a tension pressing restoration procedure for textiles subject to par. 8.2.1 or no restoration procedure for textiles subject to par. 8.2.2.
17	 Wash in domestic or commercial machine at any temperature, at normal setting.	As per procedure specified for symbol 3.	As per procedure specified for symbol 3.
18	 Do not wash.	As per procedures specified for symbols 1 through 16.	As per procedures specified for symbols 1 through 16.

8.3.1 Colourfastness

8.3.1.1 *Colour Change* — Any colour of the textile shall not show change in colour greater than Grey Scale 4 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993.




Exception: In the case of textiles containing more than one colour, one of which is white or almost white, colour change of the white or almost white shall not exceed Grey Scale 4-5 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993.

8.3.1.2 *Staining* — Textiles shall not show staining greater than Grey Scale 4 contrast, except for the nylon fibre of the multifibre fabric which shall not show staining greater than Grey Scale 3-4 contrast, by reference to CAN/CGSB-4.2 No. 47/ISO 105-A03:1993.

Textiles which do not meet this requirement for staining but which meet the requirement for change in colour specified in par. 8.3.1.1 may bear the washing symbol provided the words “wash separately/laver seul” are also shown on the care label.

- 8.4 **Bleaching Symbols** — Textiles bearing bleaching symbol 1 shall meet the requirements of par. 8.4.1 and 8.4.2 when tested in accordance with Table 2. Textiles bearing bleaching symbol 2 shall meet the requirements of par. 8.4.1 when tested in accordance with Table 2. A textile bearing bleaching symbol 3 shall fail to meet the requirements of par. 8.4.1 and/or 8.4.2 when tested in accordance with Table 2.

TABLE 2
Bleaching Symbols — Test Methods for
Colourfastness and Damage Due to Retained Chlorine

Symbol No.	Symbol and Symbol Meaning	Test Method	
		Colourfastness	Damage Due to Retained Chlorine
1	 Use any bleach when needed.	As per procedure specified in Table 1 and as determined by the accompanying washing symbol except that the washing solution shall contain sodium hypochlorite to give an available chlorine content of 0.015% ⁷ .	CAN/CGSB-4.2 No. 55
2	 Use only non-chlorine bleach when needed.	ISO 105-C09	
3	 Do not bleach.	As per procedure specified for symbol 1.	As per procedure specified for symbol 1.

- 8.4.1 **Colourfastness** — The textile shall not show change in colour or staining greater than Grey Scale 4 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993 and No. 47/ISO 105-A03:1993 respectively. For textiles containing more than one colour, where one colour is white or light colour, the textile shall not change in colour or stain greater than Grey Scale 4-5 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993 and No. 47/ISO 105-A03:1993 respectively.

8.4.2 **Damage Due to Retained Chlorine**

- 8.4.2.1 A white textile or white components of a textile shall not show yellowing greater than Grey Scale 4 contrast, by reference to CAN/CGSB-4.2 No. 47/ISO 105-A03:1993, and not more than 10% loss in strength, when tested in accordance with Table 2.











- 8.4.2.2 A coloured textile or coloured components of a textile shall not show change in colour greater than Grey Scale 4 contrast, by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993, and not more than 10% loss in strength when tested in accordance with Table 2.




⁷ When using CAN/CGSB-4.2 No. 58, this percentage can be obtained by using 100 mL of 6% sodium hypochlorite bleach. If bleach of a different strength is used, or the volume of water exceeds 40 L, suitable adjustments will be required.

- 8.5 **Drying Symbols** — Textiles bearing drying symbol 1 through 12 as illustrated in Table 3, shall meet the requirements of par. 8.2 when tested in accordance with Table 3. A textile bearing symbol 8 or 13 shall fail to meet the requirements of par. 8.2 when tested in accordance with Table 3.

TABLE 3

Drying Symbols — Test Methods for Dimensional Stability



Symbol No.	Symbol and Symbol Meaning	Test Method (CAN/CGSB-4.2) Dimensional Stability
1	 Tumble dry at high heat (not exceeding 75°C) at normal setting.	5 cycles of No. 24, Procedure E, 75°C or of No. 58, Procedure E, 75°C
2	 Tumble dry at medium heat (not exceeding 65°C) at normal setting.	5 cycles of No. 24, Procedure E, 65°C or of No. 58, Procedure E, 65°C
3	 Tumble dry at medium heat (not exceeding 65°C) at permanent press setting.	5 cycles of No. 24, Procedure E, 65°C or of No. 58, Procedure E, 65°C
4	 Tumble dry at low heat (not exceeding 55°C) at permanent press setting.	5 cycles of No. 24, Procedure E, 55°C or of No. 58, Procedure E, 55°C
5	 Tumble dry at a low heat (not exceeding 55°C) at delicate cycle	5 cycles of No. 24, Procedure E, 55°C or of No. 58, Procedure E, 55°C
6	 Tumble dry any heat.	As per procedures specified for symbols 1 through 5
7	 Tumble dry no heat/air dry.	5 cycles of No. 24, Procedure E or of No. 58, Procedure F
8	 Do not tumble dry.	As per procedure specified for symbol 5.
9	 After extraction of excess water, line dry/hang to dry.	5 cycles of No. 24, Procedure D or of No. 58, Procedure D
10	 Hang up the soaking wet article to “drip” dry.	5 cycles of No. 24, Procedure A or of No. 58, Procedure A




Symbol No.	Symbol and Symbol Meaning	Test Method (CAN/CGSB-4.2) Dimensional Stability
11	 After extraction of excess water, dry the article on a suitable flat surface.	5 cycles of No. 24, Procedure C or of No. 58, Procedure C
12	 Dry in the shade (symbol added to line dry, drip dry, or dry flat).	No. 18.3/ISO 105-B02, Grey scale 4, equal to L4
13	 Do not dry. (To be used with Do not wash symbol.)	As per procedure specified for symbol 5.

8.6 **Ironing/Pressing Symbols** — Textiles bearing ironing/pressing symbol 1, 2, or 3, as illustrated in Table 4, shall have a safe ironing temperature in accordance with Table 4. A textile bearing ironing/pressing symbol 4, as illustrated in Table 4, will be damaged when tested in accordance with Table 4 for ironing/pressing symbol 3 with steam. A textile bearing ironing/pressing symbol 5, as illustrated in Table 4, will be damaged when tested in accordance with Table 4 for ironing/pressing symbol 3 with and without steam.

TABLE 4

Ironing/Pressing Symbols — Test Methods for Colourfastness and Dimensional Stability




Symbol No.	Symbol and Symbol Meaning	Test Method CAN/CGSB-4.2	
		Colourfastness	Dimensional Stability
1	 Iron with or without steam by hand, or press on commercial equipment, at a high temperature (not exceeding 200°C). (Recommended temperature for cotton and linen textiles.)	No. 31/ISO 105-X11	ISO 3005
2	 Iron with or without steam by hand, or press on commercial equipment, at a medium temperature (not exceeding 150°C). (Recommended temperature for polyester, rayon, silk, triacetate and wool textiles.)	No. 31/ISO 105-X11	ISO 3005

Symbol No.	Symbol and Symbol Meaning	Test Method CAN/CGSB-4.2	
		Colourfastness	Dimensional Stability
3	 Iron with or without steam by hand, or press on commercial equipment, at a low temperature (not exceeding 110°C). (Recommended temperature for acetate, acrylic, modacrylic, nylon, polypropylene and spandex textiles.)	No. 31/ISO 105-X11	ISO 3005
4	 Do not steam.	As per procedure specified for symbol 3, with steam.	As per procedure specified for symbol 3, with steam.
5	 Do not iron or press.	As per procedure specified for symbol 3, with and without steam.	As per procedure specified for symbol 3, with and without steam.

8.7 **Professional Textile Care Symbols** — Textiles bearing professional textile care symbol 1 or 2, as illustrated in Table 5, shall meet the requirements of par. 8.2 and 8.7.1 when tested in accordance with Table 5. A textile bearing professional textile care symbol 3, as illustrated in Table 5, shall fail to meet the requirements of par. 8.2 and/or 8.7.1 when tested in accordance with the tests specified in Table 5 for dry-cleaning symbol 1.

TABLE 5

Professional Textile Care Symbols — Test Methods for Colourfastness and Dimensional Stability

Symbol No.	Symbol and Symbol Meaning	Test Methods	
		Colourfastness	Dimensional Stability
1	 Dry-clean, normal cycle Any solvent except trichloroethylene ⁸ .	CAN/CGSB-4.2 No. 29.1	3 cycles of commercial dry cleaning, in any solvent except trichloroethylene.
2	 Dry-clean, normal cycle Petroleum solvent only.	CAN/CGSB-4.2 No. 29.1	3 cycles of commercial dry cleaning, in petroleum solvent.
3	 Do not dry-clean.	As per procedure specified for symbol 1.	As per procedure specified for symbol 1.

⁸ A textile that is cleanable in perchloroethylene can be safely dry cleaned in petroleum solvent systems.

8.7.1 **Colourfastness (Colour Change)** — Any colour of the textile shall not show change in colour greater than Grey Scale 4 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993.

Exception: In the case of textiles containing more than one colour, one of which is white or almost white, colour change of the white or almost white shall not exceed Grey Scale 4-5 contrast by reference to CAN/CGSB-4.2 No. 46/ISO 105-A02:1993.

9. NOTES

9.1 Sources of Referenced Publications

9.1.1 The publications referred to in par. 2.1.1 may be obtained from the Canadian General Standards Board, Sales Centre, Gatineau, Canada K1A 1G6. Telephone (819) 956-0425 or 1-800-665-2472. Fax (819) 956-5644.

9.1.2 The publications referred to in par. 2.1.2 may be obtained from IHS Canada, 1 Antares Drive, Suite 200, Ottawa, Ontario, Canada K2E 8C4. Telephone (613) 237-4250 or 1-800-854-7179. Fax (613) 237-4251. E-mail gic@ihscanada.ca

9.2 Information regarding the care labelling program is available from Industry Canada, Competition Bureau, Fair Business Practices Branch, Place du Portage, Phase I, 50 Victoria Street, Gatineau, Quebec K1A 0C9. Telephone 1-800-348-5358 (Canada only) or (819) 997-4282. Fax (819) 997-0324. E-mail compbureau@ic.gc.ca. Web site <http://competition.ic.gc.ca>.

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(This appendix does not form a mandatory part of the standard.)

RECOMMENDED TEST METHODS FOR THE ASSESSMENT OF APPEARANCE CHANGES

- A1.** The following test methods are recommended for the purpose of assessing any appearance changes referred to in par. 1.2 and 8.1 of this standard that may result from the restorative treatment:

CAN/CGSB-4.2 — Textile Test Methods:

No. 59.1 — Appearance After Repeated Domestic Launderings — Smoothness of Fabrics

No. 59.2 — Appearance After Repeated Domestic Launderings — Seams

No. 59.3 — Appearance After Repeated Domestic Launderings — Pressed-in Creases

No. 65 — Determination of Strength of Bonds of Bonded, Laminated and Fused Fabrics

No. 66 — Dimensional Change and Appearance After Dry Cleaning of Coated, Bonded, Laminated and Fused Fabrics

No. 67 — Dimensional Change and Appearance after Laundering of Coated, Bonded, Laminated and Fused Fabrics.

- A2.** A dated reference in this standard is to the issue specified. An undated reference in this standard is to the latest issue, unless otherwise specified by the authority applying this standard. The sources are given in the Notes section.







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**USE OF DOTS FOR DEFINING TEMPERATURE
OF WATER FOR WASHING SYMBOL**




Description and definition of symbols

Symbol	Definition	Description
	95°C	Near boil
	70°C	extremely hot
	60°C	very hot
	50°C	hot
	40°C	warm
	30°C	cool

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(This appendix does not form a mandatory part of the standard.)

SUPPLEMENTARY CARE SYMBOL

Symbol No.	Symbol and Symbol Meaning
1	 Do not wring
2	 Wet-clean
3	 Do not wet-clean

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