NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 42167-2022

Garment leather

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1 Scope

This document specifies the product classification, technical requirements, classification, test methods, inspection rules, marking, packaging, transportation, and storage of leather for garments.

This document applies to all kinds of leather for garments.

2 Normative references

The following documents contain the provisions which, through normative reference in this document, constitute the essential provisions of this document. For the dated referenced documents, only the versions with the indicated dates are applicable to this document; for the undated referenced documents, only the latest version (including all the amendments) is applicable to this document.

GB/T 250 Textiles - Tests for colour fastness - Grey scale for assessing change in colour

GB/T 17928 Leather - Determination of the stitch tear resistance

GB/T 19941.1 Leather and fur - Determination of formaldehyde content - Part 1:

High performance liquid chromatography method

GB/T 19941.2 Leather and fur - Determination of formaldehyde content - Part 2:

Colorimetric method

GB/T 19942 Leather and fur - Chemical tests - Determination of banned azo colorants

GB/T 22807 Leather and fur - Chemical tests - Determination of chromium (VI)

content: Colorimetric method

GB/T 22808 Leather and fur - Chemical tests - Determination of chlorinated phenols content

GB/T 22885 Leather - Tests for colour fastness - Colour fastness to water

GB/T 22886 Leather - Tests for colour fastness - Colour fastness to water spotting

GB/T 22888 Leather - Physical and mechanical tests - Determination of cold crack temperature of surface coatings

GB/T 22889 Leather - Physical and mechanical tests - Determination of surface coating thickness

GB/T 38402 Leather and fur - Chemical tests - Determination of chromium (VI)

content: Chromatographic method

GB/T 39452 Leather - Physical and mechanical tests - Tests for adhesion of finish

GB/T 40920 Leather - Tests for colour fastness - Colour fastness to cycles of to-and-fro rubbing

QB/T 2262 Terms of Leather Industry

QB/T 2709 Leather - Physical and mechanical tests - Determination of thickness

QB/T 2710 Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension

QB/T 2711 Leather - Physical and mechanical tests - Determination of tear load -Double edge tear

QB/T 2712 Leather - Physical and mechanical tests - Determination of distension and strength of grain - Ball burst test

QB/T 2713 Leather - Physical and mechanical tests - Determination of shrinkage temperature

QB/T 2714 Leather - Physical and mechanical tests - Determination of flex resistance

QB/T 2724 Leather - Chemical tests - Determination of pH

QB/T 2725 Leather - Determination of odour

QB/T 2727-2017 Leather - Tests for colour fastness - colour fastness to artificial light: xenon arc

QB/T 2801 Leather - Examination for acceptance, marking, packing, transportation and storage

3 Terms and definitions

The terms and definitions defined in QB/T 2262 apply to this document.

The test shall be carried out according to the provisions of GB/T40920, and the mass of the test head is 500 g.

7.2.2 Colour fastness to water spotting The test shall be carried out according to the regulations of GB/T 22886; use filter paper to gently absorb the residual moisture (if any) of one drop of water after 30 minutes, observe the appearance change of the leather part where the water has been dropped, and after 24 hours, evaluate the degree of colour change of the part where the water has been dropped twice.

7.3 Chemical properties

7.3.1 Hexavalent chromium The test shall be carried out according to the provisions of GB/T 22807 or GB/T 38402, and the result calculation shall be based on the actual mass of the sample.

7.3.2 pH and dilution difference The tests shall be carried out according to the provisions of QB/T 2724.

7.3.3 Formaldehyde The test shall be carried out according to the provisions of GB/T 19941.1 or GB/T 19941.2.

7.3.4 Chlorinated phenols The test shall be carried out according to the provisions of GB/T 22808.

7.3.5 Decomposable harmful aromatic amine dyes The test shall be carried out according to the provisions of GB/T 19942.

7.4 Sensory characteristics Under natural light, choose a viewing distance in which the sample can be seen clearly, and test it with senses. The colour difference of the whole leather surface shall be evaluated with the grey scale for colour change stipulated in GB/T 250.

7.5 Subsidiary characteristics

7.5.1 Colour fastness to artificial light The test shall be carried out according to the provisions of the third method in QB/T 2727-2017.

7.5.2 Finish adhesion The test shall be carried out according to the provisions of GB/T 39452, and a dry sample shall be adopted for the test.

7.5.3 Cold crack resistance The test shall be carried out according to the provisions of GB/T 22888.

7.5.4 Colour fastness to water The test shall be carried out according to the provisions of GB/T 22885.

7.5.5 Coating thickness The test shall be carried out according to the provisions of GB/T 22889.

8 Inspection rules

8.1 Batching Products of the same variety that are produced from the same variety of raw materials and by the same production process within a certain period of time form an inspection lot.

8.2 Factory inspection Before the product leaves the factory, it shall be inspected one by one (piece) for sensory perception, and the product can only leave the factory after passing the inspection and being attached with a certificate of conformity (or inspection mark).

8.3 Type inspection

8.3.1 Inspection timing In one of the following situations, type inspection shall be carried out:

a) There are major changes in raw materials, processes, and chemical materials;

b) When the production resumes after a long-term (6 months) suspension;

c) During normal production, at least once a year;

d) When the national supervision and management department puts forward the request for type inspection.

8.3.2 Sampling size