

ICS 85.060
CCS Y32



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 26174-2023

Kitchen towel

厨房纸巾

Issued on: August 6, 2023

Implemented on: September 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Classification	7
5 Raw material requirements	7
6 Technical requirements	7
7 Test methods	10
8 Inspection rules	13
9 Marking and packaging	17
10 Transportation and storage	18
Appendix A (Normative) Test method of water absorption time	19
Appendix B (Normative) Determination of powder drop rate	21
Appendix C (Normative) Determination of decolorization performance	23
Appendix D (Normative) List of decomposable carcinogenic aromatic amines	25
Appendix E (Normative) Determination of microorganisms	26

Foreword

This document was issued on 6 August 2023 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 September 2024.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

1 Scope

GB/T 26174-2023 covers kitchen towel - how the product is sorted into superior and qualified grades and into towels made from plant fibre and other kinds, what may go into the furnish, the technical requirements the finished towel has to meet, and the methods used to check them. The raw material clause shuts out recycled paper, printed matter and other recovered fibrous material, because a kitchen towel is wiped over food, hands and cooking surfaces, and whatever the furnish carries goes with it. Test methods and the normative appendices cover water absorption time, powder drop rate, decolorization, the

decomposable carcinogenic aromatic amines that dyes must not release, and the determination of microorganisms; the physical checks matter because a towel that sheds fibre onto a wet plate or bleeds colour into a spill has failed at the job it was bought for. Inspection rules call for factory inspection batch by batch before goods leave the mill, and the closing clauses deal with sales and transport packaging, the marking a pack has to show, and the transport and storage conditions that keep an absorbent paper product clean and dry until it is opened. Of use to tissue mills and converters, retail and catering buyers, and testing laboratories.

This document specifies the classification, raw material requirements, technical requirements, test methods, inspection rules, marking, packaging, transportation, and storage of kitchen towels.

This document is applicable to paper towels used for kitchen wiping, cleaning, etc.

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 450 Paper and board - Sampling for testing and identification of machine and cross direction, wire side and felt side

GB/T 451.1 Paper and board - Determination of size and deviation

GB/T 462 Paper, board and pulps - Determination of moisture content of analytical sample

GB/T 742 Fibrous raw material, pulp, paper and board - Determination of residue(ash) on ignition at 575 degrees C and 900 degrees C

GB/T 1535 Soya bean oil

GB/T 1541 Paper and board - Determination of dirt

GB/T 2828.1 Sampling procedures for inspection by attributes - Part 1. Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 6682 Water for analytical laboratory use - Specification and test methods

GB/T 7974 Paper, board and pulps - Measurement of diffuse blue reflectance factor
- D65 brightness (Diff/Geometry, Outdoor daylight conditions)

GB/T 10739 Paper, board and pulps - Standard atmosphere for conditioning and testing

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 kitchen towel from plant fiber

Kitchen towels produced from native plant fibers.

4 Classification

4.1 Kitchen towels are divided into superior products and qualified products according to product quality.

4.2 Kitchen towels are divided into kitchen towels from plant fiber and kitchen towels from other fiber according to fiber raw materials.

5 Raw material requirements

5.1 Any recycled paper, paper printed matter, paper products, and other recycled fibrous materials shall not be used as raw materials for kitchen towels.

5.2 The natural color pulp used in natural color kitchen towels shall comply with the requirements of QB/T 5742.

6 Technical requirements

6.1 The technical indicators of kitchen towels from plant fiber shall comply with the provisions of Table 1.

6.3 The chemical performance indicators of kitchen towels shall comply with the requirements in Table 3.

6.4 The microbiological indicators of kitchen towels shall comply with the requirements in Table 4.

6.5 The width deviation and pitch deviation of roll kitchen towels and jumbo roll kitchen towels shall not exceed ± 5 mm; the dimensional deviation of flat-cut kitchen

towels and drawable kitchen towels shall not exceed ± 5 mm, and the deviation shall not exceed 3 mm.

7 Test methods

7.1 Sampling and processing of specimens

The sampling shall be carried out in accordance with GB/T 450. When determining grammage, water absorption time, water absorption capacity, oil absorption capacity, transverse tensile strength, and longitudinal wet tensile strength, the specimen processing and standard atmospheric conditions for testing shall be in accordance with the provisions of GB/T 10739.

7.2 Grammage

Grammage determination is carried out according to GB/T 24328.5, and the result is expressed as a single layer.

7.7 Transverse tensile strength

The transverse tensile strength is measured according to GB/T 24328.3 and measured according to the finished product layer. The width of the specimen is (50.0 ± 0.5) mm or (15.0 ± 0.1) mm. The width of the specimen during arbitration is (50.0 ± 0.5) mm.

7.9 Powder drop rate

The powder drop rate is measured according to Appendix B.

7.10 Holes

Hold the two corners of the specimen (finished product layer) with both hands and observe with the naked eye against the light. If holes are found, use a steel ruler to measure the maximum size of the holes. The area of the specimen (finished product layer) measured for each sample shall be no less than 0.5 m² and then converted into the number of holes per square meter (finished product layer). If there are holes larger than 5 mm, at least 1 m² of the specimen shall be measured.

7.13 Delivery moisture

The delivery moisture content is measured according to GB/T 462.

7.14 Migratable fluorescent substances