

ICS 71.100

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 5077-2017

**Thermal transfer for color belt with biaxially oriented
polyethylene terephthalate film
(English Translation)**

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1 Scope

This document specifies the requirements for raw materials, sensory properties, physical and chemical properties, hygiene, compatibility of personal lubricants (hereinafter referred to as "products"). It also describes the corresponding test methods;

specifies inspection rules, labeling, packaging, transportation, storage; provides product classifications for the purpose of technical provisions.

This document applies to the production, inspection, sale of personal lubricants used as sexual wellbeing products.

2 Normative references

The contents of the following documents, through normative references, constitute essential provisions of this document. For dated references, only the version corresponding to that date applies to this document. For undated references, the latest version (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1.

Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 2829-2002 Sampling procedures and tables for periodic inspection by attributes (apply to inspection of process stability)

GB/T 13531.1-2008 General methods on determination of cosmetics -

Determination of pH

GB/T 16886.1 Biological evaluation of medical devices - Part 1.Evaluation and testing within a risk management process

GB/T 16886.5 Biological evaluation of medical devices -- Part 5.Tests for in vitro cytotoxicity

GB/T 16886.10 Biological evaluation of medical devices - Part 10.Tests for irritation and skin sensitization

QB/T 1685 Requirements of packaging appearance for cosmetic products

QB/T 4079 Massage base oil - Massage oil

International nomenclature of cosmetic ingredients (INCI) Chinese translation

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Lubricants

Products applied to the skin or mucous membranes of the human body to assist with sexual intercourse and provide lubrication.

4 Product classification

Classified as water-based or oil-based, in accordance with the properties of the solvent in the primary raw material.

5.1 General requirements

5.1.1

Products shall not pose a hazard to human health under normal, reasonable, foreseeable conditions of use.

5.1.2

A safety evaluation shall be conducted, for any new product or any significant change in the product's formula or production process.

5.2 Raw materials

The raw materials used in the product shall comply with the raw material requirements in the "Safety technical specifications for cosmetics" (2015 edition).

5.3 Sensory, physical, chemical, hygienic indicators

It shall meet the requirements in Table 1.

5.4 Compatibility

For products not explicitly stated on the product packaging or instructions for use that shall not be used with condoms, the change in length of the compatibility test piece after the test in 6.5 shall not exceed 5%.

6.1 Safety evaluation

Provide a safety evaluation report in accordance with GB/T 16886.1, GB/T 16886.5, GB/T 16886.10, or a safety and toxicology data report in accordance with relevant international standards.

6.2.1 Appearance

Visually inspect at room temperature and out of direct sunlight. Insoluble matter listed in the ingredient list is not considered foreign matter.

6.2.2 Odor

Identify by smell.

6.3.1.1 Instrument

Electric thermostat. Settable temperature. $(40 \pm 2) ^\circ\text{C}$.

6.3.1.2 Analytical procedure

Place an unopened sample in an electric thermostat pre-set to $(40 \pm 2) ^\circ\text{C}$. After 24 hours, remove the sample; return it to room temperature; visually compare it with another sample stored at room temperature.

6.3.2.1 Instrument

Low-temperature chamber. Settable temperature. $(-10 \pm 2) ^\circ\text{C}$.

6.3.2.2 Analytical procedure

Place an unopened sample in a low-temperature chamber pre-set to $(-10 \pm 2) ^\circ\text{C}$. After 24 hours, remove the sample; return it to room temperature; visually compare it with another sample stored at room temperature.

6.3.3 pH

Test according to the dilution method described in GB/T 13531.1-2008.

6.3.4 Acid value

Test according to the method described in QB/T 4079.

6.3.5 Peroxide value

Test according to the method described in QB/T 4079.

6.4 Hygiene indicators

Test according to the method described in the "Safety technical specifications for cosmetics" (2015 edition).

6.5 Compatibility

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