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

GB/T 36796-2018

**Rubber latex gloves for food services -- Limits for extractable
substances**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the use of ISO 14285.2014 "Liquid for rubber and plastic gloves for food contact."

The structural differences between this standard and ISO 14285.2014 are as follows.

--- Because this standard does not involve contact with plastic gloves for food, delete 4.3, 5.3 and Appendix D.

The technical differences between this standard and ISO 14285.2014 are as follows.

---About the scope, because this standard does not contain plastic gloves, remove the plastic gloves and ISO 11193-2, will "this standard specifies once

A limited amount of extractable chemical in gloves. This standard applies to natural rubber, synthetic rubber or plastic materials.

For food pretreatment, processing and disposable gloves related to the catering industry. "" changed to "this standard specifies a one-time use for contact with food

Limits and test methods for extractable chemicals in latex gloves. This standard applies to natural latex, synthetic latex and their

Disposable latex gloves made of mixed polymers for food production, processing, and catering. ";

---About the normative reference documents, because it does not contain plastic gloves, deleted EN14372.2004, according to the standard content needs, increased

"GB/T 6682 Analytical Laboratory Water Specifications and Test Methods";

--- Regarding classification, because this standard does not contain plastic gloves, only two types of latex gloves and synthetic latex gloves are retained, adding a total of

Mixed polymer gloves. Removed three categories of PVC gloves, polypropylene gloves and polyethylene gloves;

---About the requirements, because this standard does not contain plastic gloves, the phthalate content is removed;

--- Regarding sample preparation, because the standard does not contain plastic gloves, the determination of phthalate content is removed;

--- Regarding the appendix, in order to facilitate the use of the standard, the following modifications were made.

* Appendix A, added "A.8 precision see Appendix D";

* Appendix B, in order to ensure that the test results are not affected by distilled water, add a rule that should comply with GB/T 6682 in B.3.4.

"In order to unify the number of significant digits reported in the test results, a new validity number is added in B.6."

Word"; added "B.7 precision see Appendix D";

* Appendix C, in order to ensure that the test results are not affected by distilled water, add a rule that should comply with GB/T 6682 in C.3.2.

In order to unify the number of significant digits reported in the test results, a new one in C.5 is added.

Word"; added "C.6 precision see Appendix D";

* Since this standard does not include plastic gloves, Appendix D "Determination of phthalate content" has been removed.

This standard has made the following editorial changes.

---About the standard name, according to the actual content of the standard, change the standard name to "contact with food latex gloves extract limit

the amount";

--- In order to more clearly indicate the concentration, the "extraction medium" column in Table 3 adds a "volume fraction";

--- Appendix E "Precision" sequence is modified to Appendix D "Precision".

This standard was proposed by the China Petroleum and Chemical Industry Federation.

This standard is sub-technical committee of the National Rubber and Rubber Products Standardization Technical Committee (SAC/TC35/SC4)

Return to the mouth.

This standard was drafted. Shanghai Quality Supervision and Inspection Technology Research Institute, Shenzhen Drug Inspection Institute (Shenzhen Medical Device Testing Center), Shandong Xingyu Glove Co., Ltd., Institute of Science and Technology of National Health and Family Planning Commission, Shanxi Medical Device Testing Center, Xinjiang Uygur

Autonomous Region Food and Drug Inspection Institute, Dongguan Jingan New Materials Co., Ltd., Shaanxi Medical Device Quality Supervision and Inspection Institute, National Latex System

Product Quality Supervision and Inspection Center, China Chemical Zhuzhou Rubber Research and Design Institute Co., Ltd.

1 Scope

This standard specifies the limits and test methods for extractable chemicals in disposable latex gloves for food contact.

This standard applies to natural rubber latex, synthetic latex and its blended polymers for food production, processing and related to the catering industry.

Disposable latex gloves.

This standard does not specify physical performance requirements for extractable bioactive substances and gloves. This standard does not apply to pH values less than

Gloves used under extreme conditions of 4.5 and/or above 40 °C are not suitable for gloves that come into direct contact with greased foods.

Note. Regarding the physical performance requirements of gloves, relevant standards can be found, such as. GB 10213-2006.

This standard does not specify the conditions for the safe and rational use of gloves and their subsequent handling, packaging and storage requirements.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6682 Analytical laboratory water specifications and test methods (GB/T 6682-2008, ISO 3696:1987, MOD)

3 classification

Gloves are divided into.

- a) The first category. natural latex gloves;
- b) Category 2. synthetic latex gloves;
- c) Category 3. polymer blend gloves.

4.1 Allowable limits for extracts

The allowable limit of the extract in the glove shall not exceed the requirements of Table 1.

The determination of the extract should be carried out according to the method specified in Table 1.