

**National Environmental Protection Standards of the  
People's Republic of China**

HJ 1060-2019

**Technical requirement for environmental labeling products  
— Cosmetics**

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## **Preface**

This standard is formulated for the purposes of implementing the Environment Protection Law of the People's Republic of China and reducing adverse impacts of cosmetics on the environment and human health in the processes of production and use.

This standard identifies the environmental protection requirements for raw materials, production process, hazardous substance limit and product packaging of cosmetics.

This is the first version of the current standard.

The development of this standard is under the organization of the Department of Science, Technology and Finance, and the Department of Laws, Regulations and Standards of the Ministry of Ecology and Environment.

This standard is mainly drafted by Sino-Japan Friendship Center for Environmental Protection.

This standard was approved by the Ministry of Ecology and Environment on December 13, 2019.

This standard shall take effect as of January 1, 2020.

This standard shall be interpreted by the Ministry of Ecology and Environment.

# Technical Requirements for Environmental Labeling Products

## Cosmetics

### 1 Applicable Scope

This standard specifies the terms and definitions, basic requirements, technical contents and inspection methods for cosmetics labelling products.

This standard applies to cosmetics.

### 2 Normative References

This standard quotes the provisions of the following documents. If any document is without a marked date, its latest version shall apply.

GB 5296.3	Instruction for Use of Consumer Products— General Labelling for Cosmetics
GB/T 13173	Surface Active Agents — Detergents — Testing Methods
GB/T 15818	Test Method for Biodegradability of Surfactants
GB/T 16288	Marking of Plastic Products
GB/T 18455	Package Recycling Marking
GB/T 21097.1	General Rules on Fixed Number of Years of Safety Use and Recycling for Household and Similar Electrical Appliances
GB / T 27578	Terminology of Cosmetics
Regulation on Hygiene Supervision over Cosmetics (No. 3 Order of Ministry of Health)	
Technical Standard for the Safety of Cosmetics (Announcement No. 268 of 2015, State Food and Drug Administration)	

### 3 Terms and Definitions

Terms and definitions in GB 5296.3 and GB/T 27578 as well as the following term and definition shall apply to this standard.

#### Cosmetics

It refers to daily used chemical products applied on the surface of any part of human body (such as skin, hair, nail and lip) by way of smearing, spraying or other similar methods to keep body clean, get rid of undesirable smell, protect skin and beautify the

face.

[Article 2 of Regulation on Hygiene Supervision over Cosmetics]

## **4 Basic Requirements**

4.1 The product shall meet the requirements of relevant quality and safety standards.

4.2 Pollutant emissions of the product manufacturers shall meet national and local emission standards.

4.3 Product manufacturers shall strengthen clean production in the process of production.

## **5 Technical Contents**

### **5.1 Requirements for Products**

5.1.1 Products shall not use the substances listed in Table 1.

**Table 1 Substances banned in products**

No.	Name
1	Alkylphenol ethoxylates
2	Phthalates
3	Heavy metals and other elements (lead, hexavalent chromium, selenium, mercury and their compounds)
4	Nitrogen triacetic acid
5	Ethylenediamine tetraacetic acid and its salts
6	Halogenated organic solvents
7	Glycol butyl ether
8	Benzene solvents
9	Fluorescent brightener
10	Paraffin
11	Plastic beads

5.1.2 The mass fraction of volatile organic compounds (VOCs) in product shall meet the requirements in Table 2.

**Table 2 VOCs Limit for Products**

Product	VOCs mass fraction
Nail Polish, Nail Polish Remover	≤65%

Hair Spray	$\leq 10\%$
Conditioner	$\leq 10\%$
Toning Lotion / Toner	$\leq 10\%$
Hair Styling Products with Non-Spray Packaging	$\leq 5\%$
Hair Styling Products with Spray Packaging	$\leq 2\%$

5.1.3 The lead content (the amount brought in from raw materials) shall not be greater than 1.5 mg/kg.

5.1.4 The mass fraction of phosphate in the product (as  $P_2O_5$ ) shall be no greater than 0.45%.

5.1.5 The biodegradability of the surfactant used in the product shall not be less than 95%.

## 5.2 Requirements for Production Process

Chemicals such as hydrochlorofluorocarbons (HCFCs), 1,1,1-trichloroethane ( $C_2H_3Cl_3$ ), dichloroethane ( $CH_3CHCl_2$ ), trichloroethylene ( $C_2HCl_3$ ), carbon tetrachloride ( $CCl_4$ ), trichloromethane ( $CHCl_3$ ), dichloromethane ( $CH_2Cl_2$ ), n-hexane ( $C_6H_{14}$ ), bromopropane ( $C_3H_7Br$ ), methylbenzene ( $C_7H_8$ ) and xylene ( $C_6H_4(CH_3)_2$ ) shall not be used as cleaning solvents.

## 5.3 Requirements for Product Packaging Materials

5.3.1 The recycling rate shall not be lower than 80% of the average product mass.

5.3.2 Disposable wipes included in the product shall be made of renewable materials.

5.3.3 Any plastic materials with mass over 25g or surface area more than  $200\text{ mm}^2$  shall be labeled in accordance with the requirements of GB/T 16288

5.3.4 The product shall be labeled based on the requirement of GB/T 18455.

5.3.5 Hydrochlorofluorocarbons (HCFCs) shall not be used as foaming agents.

5.3.6 The total amount of heavy metals such as lead, cadmium, mercury and hexavalent chromium shall not exceed 100 mg/kg.

5.3.7 Phthalates, bisphenol A, chlorine-containing substances shall not be added.

## 5.4 Requirements for Product Instruction

5.4.1 User Guide or illustrations of User Guide of the cosmetics shall be provided.

5.4.2 Expiration date and storage conditions for best-before date shall be indicated.

5.4.3 Information on product recycling shall be provided.

## **6 Test Methods**

6.1 The test of Technical Content 5.1.3 shall be conducted based on the methods specified in Method 1, Article 1.3, Chapter 4, Safety and Technical Standards for Cosmetics.

6.2 The test of Technical Content 5.1.4 shall be conducted based on the methods specified in GB/T 13173.

6.3 The test of Technical Content 5.1.5 shall be conducted based on the methods specified in GB/T 15818.

6.4 The calculation of Technical Content 5.3.1 shall be conducted based on the methods specified in GB/T -21097.1.

6.5 Other requirements in the Technical Contents shall be verified by document review combined with site inspection.