

 Green Mark	<b>Cleaning Products for Household Use</b>	No. 25
		Category No. L-02
<p><b>1. Scope</b>  This standard is applicable to synthetic cleaning products used for cleaning of clothing, appliances, utensils, articles or places in residential settings. Cleaning products for industrial and commercial use, cleaning products for skin and hair care, cleaning products in high-pressure spray cans, and cleaning products for fruits and vegetables are excluded from the scope of this standard.</p> <p><b>2. Product characteristics</b></p> <p>2.1 The biodegradability of the surface active agent(s) in the product, and pH range of the product, shall have a measured value within the specified regulatory value.</p> <p>2.2 The product shall not contain fluorescent brightening agent, chlorine-containing bleach, formaldehyde, triclosan, and chlorine-containing additives (except sodium chloride). The measured contents of these aforementioned substances shall be below the regulatory limits.</p> <p>2.3 The product's contents of total phosphorus, nitrilotriacetic acid (NTA), perborate, ethylenediamine tetraacetic acid (EDTA), and alkylphenoethoxylate (APEO) shall be below the regulatory limits.</p> <p>2.4 The product shall not contain benzophenone UV absorber(s). The measured content of the benzophenone UV absorbers shall be below the regulatory limits.</p> <p>2.5 The product shall not contain hazardous substances assigned the following hazard classifications by the Globally Harmonized System of Classification and Labelling of Chemicals (GHS): H300, H301, H302, H304, H310, H311, H312, H314, H317, H318, H330, H331, H332, H334, H335, H340, H341, H350, H351, H360, H361, H362, H370, H371, H372, H373, H400, H410, H411, H412, H413, and H420. The applicant shall provide a complete list of product ingredients and associated material safety data sheets (MSDSs) for review. The MSDS shall contain the ingredients' names, CAS Nos. and applicable GHS hazard codes. However, this requirement is exempt for product's surface active agent if such agent has a hazard code of H412, and a biodegradability within the specified regulatory value.</p> <p>2.6 The product and its manufacturing processes shall not use substances stipulated by the Taiwan EPA as toxic substances, and substances controlled by the Montreal Protocol.</p> <p><b>3. Test methods and regulatory limits</b>  The regulated substances and regulatory limits for this standard are listed below. The applicable test methods shall be the national, international or specific industry standard methods, and the test reports shall be issued by accredited professional testing organizations.</p>		
Date of Promulgation: May 2, 1995	Environmental Protection Administration, Executive Yuan, R.O.C. (Taiwan)	Date of Latest Revision: December 13, 2018

Applicable Content	Regulated Substance	Regulatory Limit	Referenced Test Method
Cleaning agent	biodegradability of surface active agent	$\geq 95\%$	CNS 4984
Cleaning agent	pH	Soaps for cleaning or washing: 5-10	NIEA R208 NIEA W424 CNS 2477 CNS 3800 CNS 4987
		Other products: 5-9	
Cleaning agent	fluorescent brightening agent	No fluorescent reaction	CNS 4986 <i>Test methods for cleaning products for foods, promulgated by the Ministry of Health and Welfare</i>
Cleaning agent	chlorine –containing bleach	<0.01%	CNS 4986
Cleaning agent	formaldehyde	<15 mg/kg	NIEA R502
Cleaning agent	triclosan	< 5 mg/kg	NIEA R814 CNS 15492 CNS 439
Cleaning agent	chlorine-containing additive (exclude sodium chloride)	< 0.01%	CNS 4986
Cleaning agent	total phosphorus	< 0.1%	CNS 4986 ASTM D2357
Cleaning agent	nitrilotriacetic acid (NTA)	< 0.1%	CNS 13105
Cleaning agent	perborate	< 0.1%	CNS 4986 JIS K8246
Cleaning agent	ethylenediamine tetraacetic acid (EDTA)	< 0.01%	ASTM D4954
Cleaning agent	alkylphenoethoxylate (APEO)	< 0.05%	<i>Test method for nonylphenol and nonylphenol polyethoxylates in cleaning products for foods, promulgated by the Ministry of Health and Welfare</i>
Laundry detergent	benzophenone UV absorbers	< 5 mg/kg	CNS 13105

\*: The test report shall provide evidence that the employed test methods have detection limits of less than 1/3 of the regulatory limits.

#### 4. Packaging

The materials of the product container, accessories and product packaging shall meet the requirements of the *Guidelines on Review of Applications for Qualified Environmental Protection Products*. The product's plastic components shall only contain single plastic materials. This criterion is not applicable to product's refillable pouches.

#### 5. Labeling

5.1 The product's packaging container shall be labeled with all product ingredients, contents of substances restricted or banned by the product criteria, uses, and method of usage. The labeling of chemical ingredients shall be done by using chemical names, and shall not be substituted with common names, abbreviations or commercial names.

5.2 The name, address and dedicated consumer service phone number of the Green Mark user shall be clearly printed on the product packaging container.

5.3 The product's packaging container shall bear a label reading "Greater Than 95% Biodegradability" and "Low Pollution". The definition of biodegradability shall be provided to facilitate consumers' understanding.

**6. Other Requirements**

6.1 Sampling of the product shall be conducted by the representatives from both the Taiwan EPA registered inspection and testing organization and the product manufacturer together, at the site where the product is being sold, in a random manner. If necessary, the Taiwan EPA may also send its representative(s) to take part in the joint sampling at the product manufacturing site.

6.2 If the materials safety data sheet provided by the applicant contains a GHS hazard code which is not allowed under this standard, but such a hazard may be resolved after a certain chemical reaction. If this is the case, the applicant may submit relevant evidence or test report and be exempt from the requirement of this standard after a document review confirmed the veracity of the case.

**Revision History:**

First revision: September 13, 2002

Second revision: December 20, 2004

Third revision: August 27, 2008

Fourth revision: November 16, 2009

Fifth revision: January 15, 2013

Sixth revision: October 21, 2014

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