

 Green Mark	<h1>Soaps</h1>	General No. : 125
<p><b>1. Scope</b></p> <p>This standard is applicable to products as defined in CNS 260 for washing soaps, CNS 549 for toilet soaps, and CNS 3901 for cosmetic soaps.</p> <p><b>2. Product characteristics</b></p> <p>2.1 The biodegradability of the surface active agent(s) in the product shall have a measured value greater than the specified regulatory value.</p> <p>2.2 The product shall not contain fluorescent brightening agent, butylated hydroxytoluene (BHT), butylated hydroxyanisole (BHA), formaldehyde, triclosan, chlorine-containing additives and benzophenone UV absorbers. 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 have a pH range within the regulatory limits.</p> <p>2.5 The product shall not contain substances or mixtures meeting the following hazard classifications of the EU Dangerous Substances Directive (67/548/EEC): (Risk Phrases) R20 to R29, R33, R39 to R41, and R45 to R67; and (Safety Phrases) S29, S56 to S57, S60, and S61. The applicant shall provide a complete list of product ingredients and compositions, as well as the ingredients' associated material safety data sheets (MSDSs) for review. The MSDS shall</p>		Classified No. : L-08
Date of Approval  2 0 1 3 / 1 2 / 3 1	Environmental Protection Administration,  Executive Yuan,R.O.C.(Taiwan)	Date of Revisio  / /

contain the ingredients' names, CAS Nos., and applicable classifications of risk phrases and safety phrases (in accordance with EU Dangerous Substances Directive (67/548/EEC) classifications).

### 3. Test methods and regulatory limits

The following regulated substances and regulatory limits shall apply.

Applicable Content	Regulated Substance	Regulatory Limit	Referenced Test Method
Product ingredient	biodegradability of surface active agent	$\geq$ 95%	CNS 4984
Product ingredient	fluorescent brightening agent	No fluorescent reaction	CNS 4986
Product ingredient	butylated hydroxytoluene (BHT),	< 5 ppm	CNS 9027
Product ingredient	butylated hydroxyanisole (BHA)	< 5 ppm	CNS 9027
Product ingredient	Formaldehyde	< 15 ppm	NIEA R502
Product ingredient	Triclosan	< 5 ppm	CNS 9538
Product ingredient	chlorine-containing additive	< 0.01%	CNS 4986
Product ingredient	benzophenone UV absorbers	< 5 ppm	CNS 4986
Product ingredient	total phosphorus	< 0.1%	ASTM D2357
Product ingredient	nitrilotriacetic acid (NTA)	< 0.1%	CNS 13105
Product ingredient	Perborate	< 0.1%	CNS 4986
Product ingredient	ethylenediamine tetraacetic acid (EDTA)	< 0.01%	ASTM D4954
Product ingredient	alkylphenoethoxylate (APEO)	< 0.05%	CNS 4986
Product ingredient	pH	5-9	CNS 17065

#### **4. Labeling**

4.1 The product or its packaging shall be labeled with manufacturer name, address, product name, ingredients, contents of substances restricted or banned by the product criteria, uses, method of usage, weight or volume, batch number or manufacture date. The labeling of chemical ingredients shall be done by using chemical names, and shall not be substituted with common names, abbreviations or commercial names.

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

4.3 The product or packaging shall bear a label reading "Low Pollution".

#### **5. Notes**

The 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.

#### **Revision History:**