


<div></div> <div>Green Mark</div>	<div>Showerheads</div>	No. 161
		Category No. I-05
<div>1. Scope</div> <div>This standard applies to showerheads (“products”) which meet the definition of <i>CNS 15167 Showerhead</i>.</div> <div>2. Terms and definitions</div> <div>For this standard, the following terms and definitions shall apply.</div> <div>(1) Disassemblability: Refer to the requirement of Designed for Disassembly in Section 7.4 of <i>CNS 14021 Environmental labels and declarations -- Self-declared environmental claims</i> (Type II environmental labelling). The term “disassemblability” means the product with parts and components of different materials can be disassembled and separated using regular tools (such as a screwdriver) during the product’s end-of-life treatment process.</div> <div>(2) Phthalates: Include di(2-ethylhexyl) phthalate (DEHP), di-n-octyl phthalate (DNOP), dimethyl phthalate (DMP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), di-isononyl phthalate (DINP), di-isodecyl phthalate (DIDP), and diethyl phthalate (DEP).</div> <div>3. Product characteristics</div> <div>3.1 The product’s water saving efficiency shall meet the requirements regarding the showerheads, as stipulated in the <i>Guidelines on the Implementation of Water-saving Labeling Program</i>.</div> <div>3.2 The product shall be disassemblable.</div> <div>3.3 If the product or its components or parts have gone through an electroplating process, the site for the electroplating process shall conform to the requirements of Sections 3.1 and 3.2 of the <i>Guidelines on Review of Applications for Qualified Environmental Protection Products</i>, promulgated by the Environmental Protection Administration of the Executive Yuan.</div> <div>3.4 The product or its manufacturing processes shall not use substances stipulated by the Taiwan EPA as toxic substances, and substances controlled by the Montreal Protocol.</div> <div>4. Materials, accessories and components</div> <div>4.1 The product’s plastic components and parts shall not use halogenated plastics. Plastic components or parts weighing more than 25 g shall meet the requirements of ISO 11469 regarding labeling in prominent areas to indicate the composition code.</div>		
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4.2 Product's plastic components or parts shall not contain cadmium, lead, hexavalent chromium, mercury, and phthalates, and their measured contents shall comply with the regulatory limits; if recycled materials are used in the parts or safety considerations require the addition of glass fiber to the parts, the parts' lead content shall be less than 20 mg/kg.

4.3 If the product's components or parts contain non-stainless steel material, the part/component's content of dissolved lead from the metal leaching/dissolution test shall comply with the regulatory limit.

5. Test methods and regulatory limits

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.

Applicable Part	Regulated Substance	Regulatory Limit	Referenced Test Method
Non-stainless steel metal	leached/dissolved lead	$\leq 5 \mu\text{g/L}$	CNS 8088
Plastic/rubber	cadmium	$< 2 \text{ mg/kg}^*$	NIEA M353 NIEA M301 CNS 15050 US EPA 3051 US EPA 3050 US EPA 3052
Plastic/rubber	lead	$< 2 \text{ mg/kg}^*$	NIEA M353 NIEA M301 CNS 15050 US EPA 3051 US EPA 3050 US EPA 3052
Plastic/rubber	hexavalent chromium	$< 3 \text{ mg/kg}$	NIEA T303 CNS 15050 US EPA 3060 US EPA 7196
Plastic/rubber	mercury	$< 2 \text{ mg/kg}^*$	NIEA M317 NIEA M318 CNS 15050 US EPA 7471 US EPA 7473 US EPA 3052
Plastic/rubber	phthalates	$< 10 \text{ mg/kg}^*$	NIEA T801 NIEA M731 EN 14362-1 CNS 15138-1 US EPA 3550

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

6. Packaging

The materials of the product packaging shall meet the requirements of the

Guidelines on Review of Applications for Qualified Environmental Protection Products.

7. Labeling

- 7.1 The name, address and consumer hotline of the Green Mark user shall be clearly printed on the product or packaging.
- 7.2 The product or packaging shall bear a label reading “Water Saving” and “Low Pollution”.

Revision History:

First revision: February 13, 2019