

 Green Mark	Exit Signs	No. 107
		Category No. J-08
1. Scope This standard applies to exit signs (“product”) which meet the definition of <i>CNS 10207</i> .		
2. Terms and definitions For this standard, the following terms and definitions shall apply. 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 (Type II environmental labelling)</i> , 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.		
3. Product characteristics 3.1 The product’s energy efficiency shall meet the <i>Energy Efficiency and Labeling Requirements for Exit Signs</i> of the Energy Labeling Program, Bureau of Energy, Ministry of Economic Affairs. 3.2 The product shall be disassemblable.		
4. Materials, accessories and components 4.1 Product’s plastic parts weighing more than 25 g shall meet the following requirements: (1) content of cadmium, lead, hexavalent chromium and mercury shall be below the regulatory limit; 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. (2) content of the following flame-retardants shall be below the regulatory limit: (a) Polybromobiphenyls (PBBs); (b) Polybromodiphenyl ethers (PBDEs): Include bromodiphenyl ether, dibromodiphenyl ether, tribromodiphenyl ethers, tetrabromodiphenyl ether, pentabromodiphenyl ethers, hexabromodiphenyl ethers, heptabromodiphenyl ethers, octabromodiphenyl ether, nonabromodiphenyl ether, and decabromodiphenyl ether; and (c) Chloroparaffins with 10-13 carbon atoms per molecule and chlorine content of greater than 50% by weight. 4.2 For rechargeable battery used by the product, the battery’s content of mercury, cadmium, and lead shall be below the regulatory limit.		
Date of Promulgation: December 31, 2008	Ministry of Environment	Date of Latest Revision: Feb. 13, 2019

4.3 For lamp used by the product, the mercury content of each lamp shall be below the regulatory limit.

4.4 The product's plastic components shall not use chlorinated plastics, and the product shall meet the requirements of ISO 11469, in labelling all major plastic components weighing more than 25 g in prominent areas to indicate the composition code.

5. Test methods and regulatory limits

The regulated substances and regulatory limits for this standard are listed below.

Applicable Part	Regulated Substance	Regulatory Limit	Referenced Test Method
Plastic	cadmium	< 2 mg/kg*	NIEA M353 US EPA 3051A US EPA 3050B
Plastic	lead	< 2 mg/kg*	NIEA M353 US EPA 3051A US EPA 3050B
Plastic	hexavalent chromium	< 3 mg/kg	NIEA T303 US EPA 3060A US EPA 7196A
Plastic	mercury	< 2 mg/kg*	NIEA M317 NIEA M318 US EPA 7471B US EPA 7473
Plastic	PBBs	< 10 mg/kg*	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D
Plastic	PBDEs	< 10 mg/kg*	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D
Plastic	chloroparaffins with 10-13 carbon atoms per molecule	< 10 mg/kg	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D
Internal battery	mercury	< 5 mg/kg	NIEA R315
Internal battery	cadmium	< 5 mg/kg	NIEA R315
Internal battery	lead	< 15 mg/kg	NIEA R315
Lamp	mercury	< 3mg	NIEA M317 NIEA M318 US EPA 7471B US EPA 7473

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

6. Labeling

6.1 The name, address and consumer hotline of the Green Mark user shall be clearly printed on the product or packaging.

6.2 The product or packaging shall bear a label reading "Energy Saving".

6.3 The product's user instructions/manual and catalog shall conform to the labeling requirements of the *Energy Efficiency and Labeling Requirements for Exit Signs* of the Energy Labeling Program, Bureau of Energy, Ministry of Economic Affairs.

Revision History:

First revision: February 19, 2013

Second revision: February 13, 2019