

Eco Mark Product Category No.138

**“Refill Containers and Resource Saving Containers
Version 1.0”
Certification Criteria (Draft)**

—Applicable Scope—

- A. Refill Containers
- B. Resource Saving Containers

Established: July 1, 2007 (planned)
Term of validity: June 30, 2012

Japan Environment Association
Eco Mark Office

Eco Mark Product Category No. 138 “Refill Containers and Resource saving Containers”
Certification Criteria (Draft)

A. Refill Containers

Japan Environment Association
Eco Mark Office

1. Applicable Scope

Containers filled with refill content designed to refill the content of the product and repeatedly use the product container.

The products whose content deemed significantly inappropriate from the viewpoint of environmental conservation at the Eco Mark Committee for Product Certification, however, shall not be deemed within the applicable scope.

2. Certification Criteria and Certification Procedures

With respect to Certification Procedures to criteria items, the Attached Certificates shall be submitted.

2-1. Common Criteria and Certification Procedures for Environmental Criteria

(1) Weight of container shall conform to the criteria under Table 1.

Table 1 Weight of Container against Content

Content	Interior Content of Container	Weight of Container per 1000 g of Content
Liquid Body, Particulate Body or Powder Body	Interior content of refill container \leq Interior content of product	Less than 25 g
	Interior content of refill container $>$ Interior content of product	Less than 40 g
Others	—	Less than 50 g

[Certification Procedures] Certifier: Applicant

The weight of container (A), the weight of content (B) and the weight of container per 1000 g of content ($A/B \times 1000$) shall be stated in the Attached Certificates.

(2) Product manufacturing shall confirm to relevant environment regulations and agreements on environmental pollution control regarding air pollution, water contamination, noise, odor, emissions of hazardous materials and industrial hygiene safety.

[Certification Procedures] Certifier: Finished product manufacturing/assembly plant

The Applicant shall submit a certificate that a manufacturer complied with relevant local environmental laws and regulations for five years at the time of application.

(3) In the Products (labels, etc.) Printing ink for products (labels, etc.) shall not be added substances restricted by the Japan Printing Ink Maker's Association's "Self-imposed Controls on Printing Ink (Negative List Control)."

[Certification Procedures] Certifier: Applicant

The Applicant shall state in the Attached Certificate that the product complies with Negative List regulations.

(4) The Applicant shall state on the product that the refillable product is available for purchase.

[Certification Procedures] Certifier: Applicant

The Applicant shall report the content of statement as well as submit the product, or photographs, specifications or the explanatory document that indicate the corresponding statement.

(5) The product for food, cosmetic or medical content shall conforms to requirements of hazardous materials stipulated under the Food Sanitation Law (December 24, 1947 Law No. 233)

[Certification Procedures] Certifier: Third party testing body, Applicant or manufacturer, etc.

The Applicant shall submit the results of tests certifying that the product conforms to requirement of the corresponding hazardous materials.

(6) Plastic materials to be used in the container shall not be added with plastics that contain halogen in polymeric backbone as a prescribed constituent.

[Certification Procedures] Certifier: Applicant

The Applicant shall state in the Attached Certificates whether any halogen element is added or not in polymeric backbone.

2-2. Criteria for Material and Certification Procedures

With respect to containers that use either plastic materials or paper materials not less than 70% in weight to the whole product as a major material, the Applicant shall choose either corresponding A or B below to apply. With respect to other products, C shall apply

A. Product Using a Plastic as a Major Material

(7) Packaging material shall not use the specific chlorofluorocarbons (five CFCs), other CFCs, carbon tetrachloride, trichloroethane, and CFC substitutes (HCFCs) during container manufacturing.

[Certification Procedures] Certifier: Manufacturer in charge of manufacturing

The conformity with this item shall be stated in the Attached Certificates. In addition, certificates issued by the manufacturer who manufactures a plastic material to be used in the product, or the responsible person or the manager of the plant assembling the product shall be submitted.

(8) Products for which plastic materials are used, the plasticizers, colorants, stabilizers, lubricants and other plastics additives shall conform to the positive list of the Japan Hygienic Olefin and Styrene Plastics Association. In case of using the plastic additives which are not listed in the positive list for the products which are not intended as containers for food, cosmetics, medicine-related products and the like, the plastic additives shall meet the requirements of harmful substances described in ISO 8124-3 (Corresponding standard: 88/378/EEC EN71 Part 3).

[Certification Procedures] Certifier: Manufacturer in charge of manufacturing or the third party testing body

The Applicant shall submit certificates that plasticizer, color materials, stabilizers, lubricants and other plastic additives comply with the Positive List regulations by the Japan Hygienic Olefin And Styrene Plastics Association. With respect to plastic additives not included in the Positive List, the results of tests to conform to the requirements for hazardous materials stipulated in ISO 8124-3 (correspondent standard: 88/378/EEC EN71-3) shall be submitted.

(9) Adhesives to be used for the containers shall comply with voluntary regulations by the Japan Adhesive Industry Association (Negative List concerning laminate adhesives).

[Certification Procedures] Certifier: Applicant

The Applicant shall state in the Attached Certificate that the product complies with Negative List regulations.

(10) Cadmium, lead, hexavalent chromium, mercury, or their compounds as formulation ingredients for containers shall not be added.

[Certification Procedures] Certifier: Applicant

The Applicant shall submit certificates that in producing process of the product, the corresponding chemical substances are not added as a prescribed constituent.

(11) With respect to products which are intended as containers for food, cosmetics, medicine-related products and the like shall not be added the substances classified as Groups 1, 2A and 2B by IARC (International Agency for Research on Cancer) as formulation ingredients. However, it excludes the chemical substances to use for the purpose of making polymers by polymerization reaction (ex; polyvinyl monomer, styrene).

[Certification Procedures] Certifier: Applicant

The Applicant shall state in the Attached Certificates whether the product to be applied is applicable or not. In the case of being applicable, certificates that in producing process of the product, chemical substances stipulated under the items are not added as a prescribed constituent.

B. Product Using Paper as a Major Material

(12) The container shall not be added with fluorescent whitening agents as a prescribed constituent.

[Certification Procedures] Certifier: Manufacturer in charge of manufacturing
The Applicant shall submit certificates issued by the paper manufacturer.

(13) With respect to the colorants used in the base paper, no azo colorants (dyes or pigments) that are likely to generate one or more of the amines listed in Table 2, or if it is used, one or more of the amines listed in Table 2 shall not be detected more than 30 mg per 1 kg of the base paper.

Table 2 Amines that should not be generated by reduction decomposition of azo radicals

		CAS No
1	4-amino diphenyl	92-67-1
2	Benzidine	92-87-5
3	4-chloro-o-toluidine	95-69-2
4	2-naphthyl amine	91-59-8
5	σ amino azo toluene	97-56-3
6	2-amino-4-nitrotoluene	99-55-8
7	<i>p</i> -chloroaniline	106-47-8
8	2,4-diamino anisole	615-05-4
9	4,4'-diamino diphenyl methane	101-77-9
10	3,3'-dichloro benzidine	91-94-1
11	3,3'-dimethoxy benzidine	119-90-4
12	3,3'-dimethyl benzidine	119-93-7
13	3,3'-dimethyl-4,4'-diamino diphenyl methane	838-88-0
14	<i>p</i> -cresidine	120-71-8
15	4,4'-methylene-bis-(2-chloroaniline)	101-14-4
16	4,4'-oxydianiline	101-80-4
17	4,4'-thiodianiline	139-65-1
18	σ toluidine	95-53-4
19	2,4-toluilene diamine	95-80-7
20	2,4,5-trimethylaniline	137-17-7
21	σ anisidine	90-04-0
22	4-aminoazobenzene	60-90-3

[Certification Procedures] Certifier: Manufacturer in charge of manufacturing
The Applicant shall submit either 1), 2) or 3) certificate below issued by paper manufacturer.

- 1) Certificates that corresponding azo coloring agents have not added exceeding 30 mg per 1 kg of base paper
- 2) Certificate that in calculation, over all possible cases, one or more of amines in Table 1 does not detected exceeding 30 mg per 1 kg of base paper
- 3) Certificate that one or more of amines in Table 1 are not detected exceeding 30 mg per 1 kg of base paper by the analytical method stipulated under the official test method corpus based on Article 35 of the German Food Stuff and Consumer Goods Law.

(14) No chlorine gas shall be used in the pulp bleaching process.

[Certification Procedures] Certifier: Manufacturer in charge of manufacturing
The Applicant shall submit certificates issued by the paper manufacturer.

C. “A” and “B” not contained in the Product

With respect to “A” and “B” that are not contained in the product, plastic-used part shall conform to 4-2-A and paper-used part shall 4-2-B.

2-3. Quality Criteria and Certification Procedures

(15) Quality of containers shall conform to the industrial voluntary standards or the manufacturer’s own standards.

[Certification Procedures] Certifier: Applicant
With respect to the industrial voluntary standards or the manufacturer’s own standards, certificates by the Applicant shall be submitted.

Established (Scheduled) (Version 1.0): July 1 2007
Validity Period: June 30 2012

The Certification Criteria for the Product Category will be revised when necessary.