

Eco Mark Product Category No.140

**“Refill Containers and Resource Saving Containers
Version 1.11”
Certification Criteria**

—Applicable Scope—

- A. Refill Containers
- B. Resource Saving Containers (Edible Oil Containers)
- C. Container for Sterile-Packed Cooked Rice
- D. Lightweight PET Bottles (Container)
- E. PET Bottles (Containers) Using Reprocessed Materials in Kitchen Utensils and Containers/Packages
- F. PET bottles (containers) using plant-based plastics
- G. Plastic containers and packaging using recycled plastic
- H. Plastic containers and packaging using plant-based plastics

Established: July 2, 2007

Last revised: February 1, 2017

Expiration: June 30, 2022

Japan Environment Association

Eco Mark Office

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

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“Refill Containers and Resource Saving Containers Version 1.11” Certification Criteria

D. Lightweight PET Bottles (Container)

Japan Environment Association
Eco Mark Office

1. Purpose of establishing criteria

Omitted

2. Applicable Scope

PET bottles (specified PET bottles) specified by Cabinet Order on the basis of “Act on the Promotion of Effective Utilization of Resources”

3. Terminology

Omitted

4. Certification Criteria and Certification Procedures

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

If the Applicant makes an application of an end product which is a combination of a bottle main body (including a preform) that has been Eco Mark certified as an intermediate product under the Certification Criteria with a label and a cap, presentation of the Eco Mark certification number of the bottle main body shall be a substitute for certification of the Certification Procedures of 4-1-1.(1) and 4-1-2.(4), (5), (7) and (8) of the criteria items relevant to the bottle main body.

4-1. Environmental Criteria and Certification Procedures

4-1. Common Criteria and Certification Procedures

(1) Weight of a PET bottle (a label and a cap are not included in calculation of the weight) shall be a weight reference value or lower by the intended use/size shown in Table 1.

Table 1 Reference of PET Bottle Weight

Intended Use		Size[ml]	Weight Reference [g]	Bottle Weight of FY 2004[g]	Reduction Rate
Cold beverage	Heat resistance	350	22.6	25.1	90%
		500	25.6	27.5	93%
		1,500	49.6	55.7	89%
		2,000	54.6	63.5	86%
	Pressure resistance	500	22.7	31.1	73%
		1,500	43.0	48.3	89%
	Sterilization	500	19.7	25.2	78%
		2,000	31.0	51.7	60%
Alcoholic beverage	Alcoholic beverage	2,700	77.3	89.9	86%
		4,000	134.7	138.9	97%
	Sweet cooking rice wine	1,000	35.1	36.2	97%
		1,800	68.8	78.2	88%
Soy sauce	Soy sauce	500	21.3	25.0	85%
		1,000	29.0	33.0	88%
		1,800	65.5	77.0	85%
	Soy sauce processed products	500	24.7	26.6	93%
		1,000	33.9	38.5	88%

*1) According to the reduce target of the PET bottles for FY 2020 (FY2020/FY2004 weight ratio (for soy sauce processed products, t FY2020/FY2008 weight ratio) defined by the Council for PET Bottle Recycling.

*2) For any bottle not covered by the size shown in Table 1, a value obtained by multiplying bottle weight of FY2004 of a corresponding intended use/size (surveyed by the Council for PET Bottle Recycling) by a reduction rate for a corresponding intended use category shall apply as a weight reference value. (If a same intended use category has different reduction rates depending on size, a higher value shall be selected.) Alternatively, it would be acceptable if a weight reference value or lower of size directly under the same intended use category is satisfied.

*3) For any bottle that falls under multiple intended use categories (such as heat and pressure resistance, etc.), an intended use category having a higher reduction rate shall apply.

[Certification Procedures]

The Attached Certificate shall contain intended use/size/weight (a label and a cap shall not be included in calculation of weight) of a bottle, respectively. In addition, a reference material showing an overview of the bottle (such as specifications, etc.) shall be submitted.

(2) In manufacturing the applying product, related environmental laws and regulations and pollution control agreement (hereinafter referred to as the “Environmental Laws, etc.”) must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous materials in the area

where the plant performing the final manufacturing process is located.

In addition, the state of compliance with the Environmental Laws, etc. for the last five years from the date of application (whether there is any violation) must be reported. If there is any violation, it is necessary that proper remedies and preventive measures have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]

With respect to the compliance with the Environmental Laws, etc. in the area where the plant performing the final manufacturing process is located, a certificate issued by the representative of the manufacturer of the applying product or the manager of the relevant plant (entry or attachment of the list of names of the Environmental Laws, etc.) must be submitted.

In addition, it is necessary to report whether there is any violation during the last five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:

- a. With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such documents (making a series of progress clear);
- b. Following materials (copies of recording documents, and so on) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5):
 - 1) List of the Environmental Laws, etc. related to the area where the plant is located;
 - 2) Implementation system (organizational chart with entry of roles, etc.);
 - 3) Document stipulating retention of recording documents;
 - 4) Recurrence prevention measures (future preventive measures);
 - 5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

4-1-2. Criteria on Components and Certification Procedures

The following items (3) to (8) shall apply to [Applicable Component] specified in each item, of components of the applied product (Out of a bottle (including a preform), label, or cap, a component that is included in the scope of application).

(3) Substances regulated by "Self-imposed Controls on Printing Ink (Negative List regulations)" by the Japan Printing Ink Makers Association shall not be added in the printing ink used for the product as a prescribed constituent. [applicable components:

label, cap]

[Certification Procedures]

Compliance with the Negative List regulations shall be indicated in the Attached Certificate.

(4) Plastic materials to be used in the product shall not be added with plastics that contain halogen in polymer backbone as a prescribed constituent. [applicable components: PET bottle, label, cap]

[Certification Procedures]

Whether any halogen element is added or not in polymer backbone shall be indicated in the Attached Certificate.

(5) Plastics additives such as the plasticizers, colorants, stabilizers, lubricants, etc. used in the plastic materials shall comply with the positive list of the Japan Hygienic Olefin and Styrene Plastics Association, etc. [applicable components: PET bottle, label, cap]

[Certification Procedures]

To show that plastic additives such as the plasticizers, colorants, stabilizers, lubricants, etc. used in the plastic materials comply with the positive list of the Japan Hygienic Olefin and Styrene Plastics Association, etc., the Applicant shall submit a description of a management method (procedures) and a certificate that the plastic additive is registered in the positive list (a copy of the registration confirmation certificate or positive list name/classification number/substance name, etc.) for one representative plastic additive.

(6) If recycled plastic is used in food apparatus, the measures to ensure the safety based on “Guidelines on the use of recycled plastic in food apparatus and containers and packaging” of Ministry of Health, Labour and Welfare (Shokuan, 0427 No.2, April 27 2012), shall be taken. [applicable components: PET bottle]

[Certification Procedure]

The written document shall be submitted which shows the ensuring the safety based on “Guidelines on the use of recycled plastic in food apparatus and containers and packaging” of Ministry of Health, Labour and Welfare (Shokuan, 0427 No.2, April 27 2012).

(7) Adhesives to be used for the product shall comply with voluntary regulations on adhesives for food package materials, etc. by the Japan Adhesive Industry Association (NL regulations). [applicable components: label]

[Certification Procedures] Certifier: Applicant
Compliance with the Negative List regulations shall be indicated in the Attached Certificate.

(8) The product shall meet the requirement of harmful substances described in the Standards for Foods, Food Additives, etc. (Ministry of Health and Welfare Notice No. 370, 1959). [applicable components: PET bottle, label, cap]

[Certification Procedures]
To certify that requirements for a corresponding hazardous material are satisfied, the Applicant shall submit a description of a management method (procedures) and test results for one representative plastic material.

(9) The product shall conform to “Designated PET Bottle Voluntary Design Guideline” created by PET Bottle Recycle Promotion Association. [applicable components: PET bottle, label, cap]

[Certification Procedures]
The evaluation results conducted in compliance with the Designated PET Bottle Voluntary Design Guideline shall be submitted.

4-2. Quality Criteria and Certification Procedures

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

[Certification Procedures]
A certificate to show the compliance with the appropriate standards shall be submitted.

5. Considerations

In manufacturing products, it is desirable to consider the following, although they are not requirements for certification. The conformance to the individual criteria item shall be indicated in Attached Certificates. [applicable components: PET bottle, label, cap]

(1) The plant-based plastic and the recycled plastic are used in the PET bottle, label and cap as far as possible.

6. Product Classification, Indication and Others

Omitted.

October 1, 2013	Addition of Category C, D and E (Version 1.7)
June 1, 2015	Revised (Category A-D, Version 1.8)
June 1, 2016	Addition of Category G and H (Version 1.9)
September 16, 2016	Addition of Category F (Version 1.10)
February 1, 2017	Revised (Category D 4-1-1(1) and 5, Category E 5, and Category H 3: Version.11)
June 30, 2022	Expiration

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