

Eco Mark Product Category No. 124

“ Glass Products Version2.0” Certification Criteria (Draft)

Applicable Scope

- A. Glass Bottles
- B. Plate Glass
- C. Safety Glass for Road and Railway Vehicles
- D. Electrical glass
- E. Glass for Physics and Chemistry and Medical Use
- F. Glass Filaments

Established: May 1, 2007
Term of validity: April 30, 2012

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.

Eco Mark Product Category No. 124

“ Glass Products Version2.0”

Certification Criteria

D. Electrical Glass

(For lighting and electronic devices)

Japan Environment Association

Eco Mark Office

1. Applicable Scope

The present standard applies to the products which fall under the following .

“Glass Tubing for Fluorescent Lamps” JIS C 7708

Glass globes or glass tubes of shapes prescribed in “Designation method for Glass Bulbs of Lamps” JIS C7710

“Substrate glass for flat panel displays (FPD)”

“Glass for Braun tubes”

2. Certification Criteria and Certification Procedure

For certification of compliance to each criterion item, submit the attached certificate.

2-1. Environmental Criteria and Certification Procedure

- (1) The product shall contain 15% or more (by weight) glass cullet. However, substrate glass for flat panel displays (FPD) and Braun tubes shall contain more than 10% (by weight) glass cullet.

[Certification procedure]

Enter the glass cullet content in the attached certificate and submit the certificate.

- (2) Additives (coloring agents, etc.) used in the product shall not contain cadmium, lead, mercury, hexavalent chromium, arsenic, selenium, and their compounds as prescription constituents.

However, for glass tubes for fluorescent lamps, this item shall not apply to mercury. For substrate glass for flat panel displays (FPD) and Braun tubes, this item shall not apply to lead.

[Certification procedure]

Enter the use or no-use of the applicable substance in the attached certificate and submit the ingredient table issued by the manufacturing business of additives (coloring agents, etc.) or MSDS (safety data sheet of chemical

substances, etc.).

- (3) Safety of the product shall be verified and explained (elution of cadmium, lead, total mercury, hexavalent chromium, arsenic, and selenium). The elution of the relevant substance shall conform to the requirements of Attached Table 2 provided in Enforcement Regulations of Soil Contamination Countermeasures Law (MOE Ordinance No. 29 issued on December 26, 2002). However, for glass tubes for fluorescent lamps, this item shall not apply to mercury. For substrate glass for flat panel displays (FPD) and Braun tubes, this item shall not apply to lead.

[Certification procedure]

Submit the test results by a third-party institution or by your company with respect to the elution of the relevant substance from the product.

- (4) The production process shall conform to relevant environment regulations and agreements on preventing air pollution, water contamination, noise, vibration, odor and emission of hazardous materials.

[Certification procedure]

Submit a certificate issued by a director of the plant where the product is manufactured, stating that the environmental regulations in the region in which the glass manufacturing plant is located have been observed for past 5 years since the application and the plant has not violated any of the regulations, etc.

2-2. Quality Criteria and Certification Procedure

- (5) The product quality shall conform to applicable JIS standards or self-imposed standards of the industry. Further, the quality control shall be fully practiced at the production process.

[Certification procedure]

Submit test results (a copy of JIS-certified plant is acceptable) that evidence the conformance to the applicable JIS standards, or test results that evidence the conformance of self-imposed standards of the industry. In addition, submit a certificate issued by a director of the plant where the product is manufactured, stating that quality control is fully practiced in the production process.

To be established on May 1, 2007 (Version 2.0)

To be expired on April 30, 2012

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