

Eco Mark Product Category No. 148

“Musical Instruments Version1.1” Certification Criteria

- Applicable Scope-

A. Piano silent system

Established	June 15, 2011	Japan Environment Association
Last Revised	July 13, 2012	Eco Mark Office
Expiration date	June 30, 2023	

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.148

**“Musical Instruments Version1.1”
Certification Criteria**

Japan Environment Association
Eco Mark Office

1. Purpose of Establishing Criteria

Omitted

2. Applicable Scope

Piano silent system

(The certification criteria shall even apply to a product with any additional function other than sound deadening as far as it mainly functions to deaden sound. Note, however, that the criteria shall cover a product to be additionally attached to a piano that has already been used (or could be used) and exclude a product to be attached to a new piano before shipment.)

3. Terminology

Acoustic piano	A piano that does not use electricity to produce sound. It is divided into two types: A grand piano and an upright piano.
Piano silent system	An electronic device unit to be attached later to an acoustic piano. The unit enables sound to be produced from an electronic audio source by such an action as keying, without strumming strings (without producing a sound inherent to a piano). A player can listen to sound from the electronic audio source through headphones, and also play the acoustic piano by switching. (Although a piano silent system can be attached to a new piano before shipment, the certification criteria only apply to those to be attached later.)
Housing	Outer covers including frames

Housing parts	A part that protects a device from environmental influences and that prevents users from contacting moving, light-emitting or high-voltage components.
Prescribed constituent	A material component added for the intended purpose of giving certain characteristics to a product. Impurities that are technically unavoidable in the manufacturing process are not included.

4. Certification Criteria and Certification Procedure

4-1. Environmental Criteria and Certification Procedure

(1) The product shall conform to a. and b. below, so that a user may change his/her mind to “use a piano for a long time” rather than selecting to “discard the piano”, by adding a sound deadening function to a piano that has already been used (or that may be used in the future although it is now in a dormant state).

- a. It shall be possible to attach a piano silent system later to a piano (upright piano or grand piano) that has already been used (or that may be used in the future although it is now in a dormant state), without hindering the functions inherent to the piano.
- b. A model name of a piano, a design of which allows a piano silent system to be attached later, shall be disclosed on a home page of a manufacturer.

[Certification Procedure]

Compliance with this item shall be indicated in the Attached Certificate. In addition, copies of the users manual, leaflet and web page indicating the matters related to this item shall be submitted.

(2) Repair subcontract systems shall be available, and repairs shall be carried out as requested by the users (repair system). The following information on the repair systems shall be provided:

- a. information on repair subcontract system are available;
- b. information on the scope of repair (details of services), contact address, etc. are provided to users.
- c. information on appropriate usage that will lead to a long-term use of a piano
- d. information on removal and collection/recycling of the product after use (there shall be a contact, etc.)

[Certification Procedure]

Compliance with this item shall be indicated in the Attached Certificate. In addition, copies of the users manual, leaflet and web page indicating the matters related to this item shall be submitted

(3) Consumed power when a sound deadening section (mechanism to prevent plucking of strings, keying sensing device, electronic audio source listening device) is used shall be 20W or lower.

[Certification Procedure]

Measured value of Consumed power when a sound deadening section is used shall be indicated in the Attached Certificate.

(4) Contents of lead, mercury, cadmium and these compounds, hexavalent chromium compound, polybrominated biphenyl (PBB) and Polybrominated diphenyl ether (PBDE) in the products shall be below the reference value of Table A.1 in Annex A (specific chemical substance, chemical symbol, substance to be calculated and reference value of percentage of content) of JIS C 0950: 2008 (the marking for presence of the specific chemical substances for electrical and electronic equipment). Regarding items allowed to exceed the reference value shall pursue Annex B in JIS above. In addition, accessories and others shall pursue JIS C 0950: 2008.

Polybrominated biphenyl (PBB), Polybrominated diphenyl ether (PBDE) or short-chained chlorinated paraffin (with a carbon chain count of from 10 to 13 and a chlorine concentration of 50% or more) shall not be added in a printed circuit board*1 as prescribed constituents.

*1) "Printed circuit board" means a bare printed circuit board that does not include semiconductor chips, etc.

[Certification Procedure]

Compliance with this item shall be indicated in the Attached Certificate and the confirmation method shall be indicated.

Table 1 specific chemical substance, chemical symbol, substance to be calculated and reference value of percentage of content

Name of the material	percentage of content [wt%]*2
Lead and its compounds	0.1
Mercury and its compounds	0.1

Cadmium and its compounds	0.01
Hexavalent chromium and its compounds	0.1
Polybrominated biphenyl (PBB),	0.1
Polybrominated diphenyl ether (PBDE)	0.1

*2) wt% is a content based on product weight. If the product weight is 1kg, 0.1 wt% is 1g.

(5) Polymer containing halogen and organic halogen compounds shall not be added as prescription constituents for plastic housing and housing parts weighing over 25g. However, this item is not applied to organic fluorine additives used to improve physical characteristics of plastic materials (such as anti-dripping agents [with a content not exceeding 0.5 wt%] etc.).

[Certification Procedure]

Compliance with this item shall be indicated in the Attached Certificate. In addition, the form in the Attached Certificate “plastic material list used for plastic housing parts weighing over 25g shall be submitted.

(6) In manufacturing the applied 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 business of manufacturing the applied 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).

4-2. Quality Criteria and Certification Procedure

(7) Attachment of the product (or removal and collection of the product) shall be performed by a professional engineer who is certified by a manufacturer and familiar with piano tuning.

[Certification Procedure]

A document that describes a method for certifying a professional engineer who performs attachment (removal) of the product or a method for asking, and responsibilities of the professional engineer shall be submitted.

(8) To show conformance to the individual criteria item, the respective Attached Certificates shall be submitted.

[Certification Procedure]

The respective Attached Certificates to show the conformance to the respective quality standards shall be submitted.

5. Product Classification, Indication and Others

Omitted

June 15, 2011	Established
July 13, 2012	Revised (Version1.1)
March 27, 2017	Extension of expiration date
June 30, 2023	Expiration

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