Eco Mark Product Category No.101 “Bags/Suitcases Version1.13” Certification Criteria

Category F “Suitcases, Attaché cases”

Japan Environment Association
Eco Mark Office

1. Purpose of Establishing Criteria

Omitted.

2. Applicable Scope

Suitcases (including big-size bags, half-tatami size suitcases, air travel suitcases, window cases, smart cases, car travel cases, double-handle suitcases, open cases, and foldable cases) meeting the definition of “Travel Bags” by Japan Luggage Association based on the Standard Commodity Classification for Japan and attaché cases belonging to the classification “Business Bags” pursuant to the Standard Commodity Classification for Japan that use leather or synthetic resin as main raw material.

3. Terminology

Eco leather	Leather materials that meet certain material standards for leather and that are identified as having less effect on the environment. The Japan Eco Leather certification Label (JEL label), SG label of Germany, Oeko-Tex, EU eco-label criteria for footwear, etc. are well known.
Leather	Leathers where hide cross section structure (grain side layer, reticular layer) is not damaged, tanning is performed, finished/painted film has thickness of 0.15mm (150μm) or less.
Prescription constituent	Material components added for intended purpose to give any characteristics to the products. Impurities that are technically unavoidable in the manufacturing process are not included.
Plastic	Materials made of single or multiple polymers, additives, fillers, etc. added to give characteristics.
Polymer	Macromolecules, which are the main components of plastic.
accessories	Handle of a suitcase, a shoulder strap, casters, interior supplies
Recycling	Material recycling. However, material recycling includes polymers polymerizing monomers as a material obtained by depolymerizing polymers, does

	not include energy recovery (thermal recycling).
Thermal recycling	The conversion of recovered waste into useful energy. It refers here to the effective use of the energy generated during the incineration of waste.
RPF(Refuse Paper Plastic Fuel)	Solid fuel made from waste plastics

4. Certification Criteria and Certification Procedure

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

4-1. Environmental Criteria and Certification Procedure

4-1-1. Environmental Common Criteria and Certification Procedure

(1) 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 substances 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 past five years from the date of application (whether there is any violation) must be reported. If there is any violation, proper remedies and preventive measures shall 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 relevant plant manager (entry or attachment of a list of names of the Environmental Laws, etc.) must be submitted.

In addition, the applicants shall report whether there is any violation in the past 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 (clearly indicating a series of communication);

b. Following materials (copies of recording documents, etc.) 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 roles, etc.);

3) Bylaws 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).

(2) The product shall not be used of any of the five specified CFCs listed in the Attachment 1, other CFCs, carbon tetrachloride, trichloroethane, or CFC substitutes (HCFC).

[Certification Procedure]
The final manufacturing plant shall submit a certificate to show that no substances on the above have been used.

(3) The applicant shall have a system to ensure longtime use of the Eco Mark certified product. More specifically, the following conditions shall be met:

- The product shall be repairable for recovery of its functions (repairs and replacement of the handle, fastener, inner lining, etc.) and shall undertake repairs, if so requested by the user of the applied product, at any time before elapse of five (5) years from the date of termination of the product model. In addition, information on such service shall be made publicly available.
- There shall be a system in place for replacement of buttons and other attachments. In addition, information on such system shall be made publicly available.

[Certification Procedure]
Documents providing below information to users (user manuals, catalogs, etc.) shall be submitted.

- Statement by the applicant that repairs shall be made upon request of the user at any time before elapse of five (5) years from the date of termination of the product mode.
- Statement that there is a system in place for replacement of buttons and other attachments (replacement service is not included).

(4) The packaging of the product shall not plastics containing halogens in the polymer backbone. The packaging of the product refers to one sales unit toward a final consumer.

[Certification Procedure]
For the packaging, use or not of plastics containing halogens in the polymer backbone shall be indicated in the Attached Certificate

(5) With respect to products that use metal (including plated metal) in their handle, fastener, or shoulder belt, information on the kind of metal used and on allergy to metal shall be given in the user manual, product label or brochure.

[Certification Procedure]
The portion (or a photocopy thereof) of such user manual, etc. showing the above information shall be submitted.
Description example: "The handle of this product uses metallic parts. Metals can cause skin itching, irritation, rash, etc. to some people. Discontinue use immediately when any anomaly appears. (Handle made of titanium)"

4-1-2. Certification Criteria on Main Material and Certification Procedure

The criteria "A" herein below shall apply to suitcases and attaché cases that use plastics at main raw material. Provided however, the criteria "B" herein below shall apply to suitcases and attaché cases having **60% or more** of their outer surface area (the outer surface area excluding the part covered by any flap and before attaching any handle or other accessories) **made of leather**. For leather materials certified by JEL label, which is administered by Japan Leather and Leather Goods Industries Association, submission of a copy of a JEL label certificate can replace the certification procedures of 4-1-2.(11)-(17) among appropriate reference items.

A. Products having plastics or metals as main raw material

(6) Eighty percent (80%) or more by weight of the recovered product shall be recycled (excluding thermal recycling). Provided however, conversion of plastics (excluding plastics that have halogens added to the polymer backbone as ingredient as well as organic halogen compounds as flame retardant) into refuse plastic fuel (RPF) to be used as substitute for coal, heavy oil and other fossil fuels shall qualify as conformance to this criteria.

[Certification Procedure]
The design specifications for the structure and weight of parts to be recycled or other certificates showing that the portion to be recycled represent 80% or more shall be submitted. In addition, documents describing the name of recycler, usage of recycled materials and other pertinent information on the recycling shall be submitted.

(7) There shall be a system in place operated by the manufacturer (or an association of manufacturers) for free-of-charge collection and recycling of the applied product. Such a system shall be easily utilizable by the user after its use without bearing any collection or recycling fee anew. Moreover, information on such a system shall be publicly available.

[Certification Procedure]
Documents describing the collection/recycling system in question shall be submitted. In addition, user manual and the like stating the users can easily utilize the system without bearing any collection or recycling fee anew (such as charge-on-delivery courier service or collection service at retailers) shall be submitted.

(8) Plastic additives shall conform to the positive list system of food utensils, containers and packaging, etc. In case of using color materials or the plastic additives which are not listed in the positive list for products other than food utensils, containers and packaging, those color materials or plastic additives shall meet the requirements described / prescribed in ISO 8124-3, laws or voluntary standards in the industry etc.

[Certification Procedure]
The Applicant shall submit certificates that the plastic additives such as color materials, plasticizers, stabilizers, lubricants and other additives

used in the plastic materials conform to the Positive List system of food utensils, containers and packaging, etc. With respect to color materials and plastic additives not listed in the Positive List, the results of tests to show the conformance to the requirements described in ISO 8124-3, laws or voluntary standards in the industry, etc. shall be submitted.

(9) The product shall not contain Cadmium (Cd), Lead (Pb), Hexavalent chromium (Cr6+), Mercury (Hg) and their compounds as prescription constituents.

[Certification Procedure]
The applicant shall submit a certificate to show that no applied chemical substances have been added to the product as prescription constituents.

(10) The products shall not be added the substances classified as Groups 1, 2A and 2B by IARC (International Agency for Research on Cancer) as prescribed constituents. However, it excludes the chemical substances to use for the purpose of making polymers by polymerization reaction (ex; polyvinyl monomer, styrene, etc.).

[Certification Procedure]
The applicant shall indicate in the Attached Certificate whether the product is applicable or not to this item. If applicable, the certificate to show that no chemical substances listed in each item have been added as prescription constituents.

B. Product mainly made of material leather

(11) The material leather used in the product shall be hide of cow, pig, sheep, horse or goat and shall be a byproduct of sacrificing for meat for food.

[Certification Procedure]
The outer surface areas of product total, leather part and non-leather part shall be specified in the attached certificate. With respect to the material leather, a raw material supply certificate issued by the leather manufacturer shall be attached.

(12) The product shall be free of odor by mold, fish, petroleum, odorant, etc. “Free of odor” as used herein shall mean the result of an odor test pursuant to the 5-scale sensory panel method (German Industrial

Standard DIN10995 or Swiss National Standard SNV195651) is Grade 3 or less.

[Certification Procedure]
Test results by a third party test institute or an own company shall be submitted with respect to the odor from the product or the material leather.

(13) Every applied product shall conform to the standard values of formaldehyde content shown in Table 1.

Table 1 Standards for formaldehyde content

Substance	Standard value	Test method
Formaldehyde	75mg/kg or less	MHLW Ministerial Ordinance No. 34 JIS L1041 ISO17226-1,2

[Certification Procedure]
Test results by an independent organization or an own company shall be submitted with respect to formaldehyde content in the product.

(14) Every applied product shall conform to the standard values of heavy metal elution from the leather material shown in Table 2.

Table 2 Standards for heavy metal elution

Substance	Standard value	Test method
Lead	0.8mg/kg or less	ISO17072-1
Cadmium	0.1mg/kg or less	ISO17072-1
Nickel	4.0mg/kg or less	ISO17072-1
Cobalt	4.0mg/kg or less	ISO17072-1
Hexavalent chromium	Not detected	JIS K 6558-10-1,2 ISO17075
Total chromium	200mg/kg or less	ISO17072-1

[Certification Procedure]
Test results by a third party test institute or an own company shall be submitted with respect to heavy metal elution from the leather material.

(15) Chlorophenols, Organic tin compounds, Mercury, Oorthophenyl phenol, Organic fluorine compounds, Dimethyl fumarate as specified in Table 3 shall not be used in the manufacture of leather materials used for the product.

Table 3 List of restricted materials

Chlorophenols	Trichlorophenol (TriCP), Tetrachlorophenol (TeCP), Pentachlorophenol (PCP)
Organic tin compounds	Dibutyltin, Dioctyltin, Monobutyltin, Tricyclohexyltin, Trimethyltin, Triocyltin, Tripropyltin, Tributyltin, Triphenyltin
Mercury	
Oorthophenyl phenol	
Organic fluorine compounds	Perfluorooctane sulfonic acid (PFOS) and related compounds Perfluorooctanoic acid (PFOA) and its salts
Dimethyl fumarate	

[Certification Procedure]
A certificate issued by a leather manufacturer shall be submitted to show that none of the materials listed in Table 3 are used in the manufacture of leather materials.

(16) For leather materials used in the products, elusion of carcinogenic aromatic amines that are generated from decomposed Azo dyestuff prescribed in Attachment 2(1) shall conform to the standard values in Table 4. In addition, carcinogenic dyestuffs prescribed in Attachment 2(2) shall not be added as prescription constituent.

Table 4 Elution standard of carcinogenic aromatic amines *1

Substance name	Standard value	Test method
carcinogenic aromatic amines	Not detected	ISO17234-1 ISO17234-2

[Certification Procedure]
With respect to elusion of carcinogenic aromatic amines from leather material, test results by a third-party test institute shall be submitted.
In addition, the certificate that no carcinogenic dyestuff is added to the leather material as a prescription constituent issued by tanners shall be submitted.

(17) The color fastness of pigment finish leather used for the product shall conform to the standard values shown in Table 5 with respect to the type of finish and color density of the leather.

Table 5 Standards for color fastness

	Drying test	Humidity test	Test method
Pigment-finish leather	Grade 3-4 or higher	Grade 2-3 or higher	JIS K 6559-3 ISO11640

[Certification Procedure]
Test results by a third-party test institute with respect to color fastness of leather material shall be submitted. In addition, if leather materials are different only in colors although they have been processed in the same manner (in the same process and with the same chemical), lead, cadmium, cobalt, and chrome that are associated with color materials shall be tested for each process.

(18) The product shall not use plastics containing halogens in the polymer backbone (including resin as fiber in this item).

[Certification Procedure]
For products, use or not of plastics containing halogens in the polymer backbone shall be indicated in the Attached Certificate.

4-2.Quality Criteria and Certification Procedure

(19) The product quality and safety shall conform to the standards of an independent test organization or the voluntary standards of the applicant. As test items under such standards, (i) impact strength by drop test, (ii) travel performance of caster, (iii) handle strength, (iv) opening and closing of locks, and (v) resin strength shall be mandatory (exemplary test methods shown in Attachment3).

[Certification Procedure]
Test results by a third party test institute shall be submitted. Alternatively, a certificate issued by the applicant stating conformance to the applicant's in-house standards shall be submitted.

5. Considerations

In the process of manufacturing products, it is desirable to consider the following items, although they are not requirements for certification.

(1) Quantitative environmental information on greenhouse gas emissions

throughout the life cycle of the applied product, from the procurement of the raw materials to the disposal and recycling, shall be disclosed, which is calculated by converting into carbon dioxide equivalents based on the global warming potential (when applying for multiple types at once, calculation by a representative type is acceptable). It shall be possible to explain that the quantitative environmental information has been calculated in accordance with the Carbon Footprint (ISO 14067), Life Cycle Assessment (ISO 14040 and ISO 14044), or “Carbon Footprint Guidelines" prepared by the Ministry of Economy, Trade and Industry and the Ministry of the Environment. The medium for disclosing the quantitative environmental information (URL of the calculation report, etc.) shall be disclosed as part of product information on the Eco Mark website.

6. Product Classification, Indication and Others

(1) Product classification (application unit) shall be made by applicable product listed in the attachment 1, and by each brand name. The product is not classified by its size or color.

(2) In principle, the Eco Mark shall be indicated on the product, the catalog, etc. The Eco Mark licensees who own the Eco Mark products shall also be allowed to indicate the description and the certification number as before.

(Note for the indication)

*For indicating the logo, Eco Mark certification number (eight-digit number) or the name of the licensee using the logo shall be appeared.

*Such expression as “Eco Mark product” can be used following the 2.(2) of the Guide to Eco Mark Usage.

“Eco Mark product”, “#Eco Mark”, “www.ecomark.jp”, “Eco Mark Certificate”

*In accordance with “Environmental Labeling Guidelines” of the Ministry of the Environment of Japan, etc., the environmental claims of certified products may be indicated in association with Eco Mark.

(https://www.env.go.jp/policy/hozen/green/ecolabel/guideline/)

*The Guide to Eco Mark Usage shall be followed for any cases not listed above. (https://www.ecomark.jp/office/guideline/guide/)

August 27, 2007	Established(Version 1.0)
August 21, 2008	Revised 4-1(8) (Version1.1)
April 20, 2010	Revised (Version1.3)
March 1, 2011	Revised (Version1.4)
November 1, 2011	Revised (Version1.5)
July 13, 2012	Revised (Version1.6)
April 1, 2016	Revised (Version1.7), extension of expiration
April 1, 2017	Revised (Version1.8),
September 1, 2017	Revised (Version1.9),
March 1, 2021	extension of expiration
February 1, 2023	Revised (Version1.10)
August 1, 2024	Revised (Version1.11)
March 1, 2025	Revised (Version1.12)
April 1, 2025	Revised (Version1.13)
August 31, 2027	Expiration Date

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

Attachment 1

CFC5s	Trichlorofluoromethane
	Dichlorodifluoromethane
	Trichlorotrifluoroethane
	Dichlorotetrafluoroethane
	Chloropentafluoroethane
Other CFCs	Chlorotrifluoromethane
	Pentachlorofluoromethane
	Tetrachlorodifluoroethane
	Heptachlorofluoropropane
	Hexachlorodifluorpropane
	Pentachlorotrifluoropropane
	Tetrachlorotetrafluoropropane
	Trichloropentafluoropropane
	Dichlorohexafluoropropane
	Chloroheptafluoropropane
	Carbon Tetrachloride
	1,1,1-Trichloroethane
HCFCs	Dichlorofluoromethane
	Chlorodifluoromethane
	Chlorofluoromethane
	Tetrachlorofluoroethane
	Trichlorodifluoroethane
	Dichlorotrifluoroethane
	Chlorotetrafluoroethane
	Trichlorofluoroethane
	Dichlorodifluoroethane
	Chlorotrifluoroethane
	Dichlorofluoroethane
	Chlorodifluoroethane
	Chlorofluoroethane
	Hexachlorofluoropropane
	Pentachlorodifluoropropane
	Tetrachlorotrifluoropropane
	Trichlorotetrafluoropropane
	Dichloropentafluoropropane
	Chlorohexafluoropropane
	Pentachlorofluoropropane
	Tetrachlorodifluoropropane
	Trichlorotrifluoropropane
	Dichlorotetrafluoropropane
	Chloropentafluoropropane
	Tetrachlorofluoropropane
	Trichlorodifluoropropane
	Dichlorotrifluoropropane
	Chlorotetrafluoropropane
	Trichlorofluoropropane
	Dichlorodifluoropropane
	Chlorotrifluoropropane
	Dichlorofluoropropane
	Chlorodifluoropropane
	Chlorofluoropropane

Attachment 2

List of Dyes Prohibited to Use

[1] Carcinogenic aromatic amines.

CAS RN	Name
92-67-1	4-Aminobiphenyl
92-87-5	Benzidine
95-69-2	4-Chloro-o-toluidine
91-59-8	2-Naphthylamine
97-56-3	o-Aminoazotoluene
99-55-8	2-Amino-4-nitrotoluene
106-47-8	4-Chloroaniline
615-05-4	2,4-Diaminoanisole
101-77-9	4,4'-Diaminodiphenylmethane
91-94-1	3,3-Dichlorbenzidine
119-90-4	o-Dianisidine; 3,3'-Dimethoxybenzidine
119-93-7	o-Tolidine; 3,3'-Dimethylbenzidine
838-88-0	4,4'-Diamino-3,3'-dimethyldiphenylmethane
120-71-8	p-Cresidine
101-14-4	4,4'-Diamino-3,3'-dichlorodiphenylmethane
101-80-4	4,4'-Diaminodiphenyl ether
139-65-1	4,4'-Diaminodiphenyl sulfide
95-53-4	o-Toluidine
95-80-7	2,4-Diaminotoluene
137-17-7	2,4,5-Trimethylaniline
90-04-0	o-Anisidine
95-68-1	2,4-Xylidine
87-62-7	2,6-Xylidine
60-09-3	4-Aminoazobenzene

[2] 5 kinds of Carcinogenic Dyes

CAS RN	Color Index	C.I. Number
569-61-9	C.I. BASIC RED 9	CI 42500
3761-53-3	C.I. ACID RED 26	CI 16150
6459-94-5	C.I. ACID RED 114	CI 23635
2602-46-2	C.I. DIRECT BLUE 6	CI 22610
1937-37-7	C.I. DIRECT BLACK 38	CI 30235

Attachment 3

Examples of Quality Test

Item	Procedure example
Shatter strength	- Drop the product with a load of XX kgf, at a height of YY cm.
Rolling of wheels	- Roll the wheels with a load of XX kgf for Y km, at a speed of Z km/h.
Strength of handle	- Raise the product with a load of XX kgh, for a period of YY seconds.
Locking/unlocking properties	- Repeat locking and unlocking XX times.
Strength of resin	- Conformity to JIS (e.g. K6873 Acrylonitrile-Butadiene-Styrene (ABS) Sheets).