

Eco Mark Product Category No.143

“Shoes and Footwear Version 1.0” Certification Criteria (Draft)

-Applicable Scope-

- A. Leather shoes
- B. Rubber, plastic, and fabric shoes
- C. Other footwear (Japanese footwear, slippers, sandals, etc.)

Established	December 1, 2008 (scheduled)	Japan Environment Association
Term of validity	November 30, 2015 (scheduled)	Eco Mark Office

<0.9g/c m ³	than 150 mg	than 170 mg	than 150 mg	than 200 mg	than 150	than 250 mg	than 300 m	
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[Certification Procedure]

Submit the test results that indicate conformance to this item. In the event that the test of outsole peel strength and wear performance is not conducted in conformity to JIS S5050 or the test method of Table 1, present other official or in-house standard values and submit test results evidencing the product conforms to them.

- (3) Formaldehyde of adhesives used for products shall be not more than 5 µg/(m²·h) diffusion speed or shall be equal to or less than the reference value of Table 6 of Section 2-1-2 (19). However, this item shall not apply to adhesives which do not use material that diffuses formaldehyde.

[Certification Procedure]

State all the adhesives used for the product in the Certificate for Adhesives Used and submit. In addition, submit a certification, MSDS, or other certificates, in which the test results prescribed in JIS or Ministerial Ordinance No. 34 of Ministry of Health, Labour, and Welfare are stipulated or that the adhesives contained in the product are equal to or less than the reference value (Class F☆☆☆☆, etc.) is stated. For the adhesives to which any material that diffuses formaldehyde is not added, submit a certificate issued by the adhesive manufacturer or the applicant stating that no such material is added.

- (4) In the event that water-based adhesives are used, the safety concerning antiseptics shall have been confirmed.

[Certification Procedure]

For water-based adhesives, submit a certificate as to the addition of antiseptics, which is issued by the adhesive manufacturer or the applicant. With respect to the antiseptics, submit a certificate such as MSDS, etc. and CAS registration No. that indicate the safety of the antiseptics.

- (5) Products that use natural rubber or metal (clasps, fasteners, ornament portions, etc., including plating) shall have information on latex allergy and metal allergy and type of the metal used stipulated on any

of product hangtags, operating instructions, brochures, etc.

[Certification Procedure]

Submit the relevant portions which stipulate the above-mentioned information (copies or manuscripts are acceptable).

Statement example (natural rubber): "This product uses natural rubber. Depending on the constitution, itching, rashes, eruptions, and other symptoms may be caused. If any abnormality is felt, stop using the product."

Statement example (metal): "This product uses metal for ornament portions. Metal may cause itching, rashes, eruptions, and other symptoms depending on the constitution. If any abnormality is felt, stop using the product (base material: brass; surface finish: nickel chrome plated).

- (6) In any of the product proper, product tag, operating instructions, brochures, etc., the following a through d shall be stipulated.
- a. Name of each material (upper material, outsole, sock lining, etc.)
 - b. Maintenance method and storage method (in particular, shoes with polyurethane used for outsole, stipulate "Polyurethane is used for the outsole. Polyurethane may be aged by moisture. Store in a well-ventilated location," etc.)
 - c. Manufacturing date of shoes (where polyurethane is used for the outsole)
 - d. Stipulate one or more items of the following information including mandatory items in the vicinity of Eco Mark labeling so that the purport of being Eco-Mark-certified is identified (when Eco Mark is indicated).
 - <Mandatory items>
 - Definition of eco-leather
(Ex. Eco-leather is leather material that satisfies the criteria of harmful substances, etc. concerning leather such as heavy metals, formaldehyde, carcinogenic dyestuff, etc., and is recognized to exert less impact on the environment.)
 - <Selective items>
 - Durability
(Ex. Strength tests on peel strength and wear performance of outsoles are conducted.)

- Use of recycled material, etc.
(Ex. For outsoles, ○○ is used.)
- Establishment of repair system
(Ex. The repairing and accessories replacement system has been established.)

[Certification Procedure]

Submit the applicable portions (copies or manuscripts are acceptable) that include the above-mentioned information.

- (7) The applicant must maintain and improve the system for using Eco Mark-certified products over a long period of time. For the system maintenance and improvement, the following requirements must be satisfied:
- Products must be repairable to restore their functions (repair, replacement of parts, etc.), and after discontinuance of production of applied products, at least for one year, the applicants must be able to repair the products at the request of users of applied products (excluding cases in which repair is impossible due to aging). In addition, the applicants must provide such information to users.
 - A replacement system of accessories is established. In addition, the applicants provide such information to users.

[Certification Procedure]

Submit operating instructions which provide the information on the foregoing to users and applicable portions of brochures, etc. (copies or manuscripts are acceptable).

- (8) Plastic material used for the products and product packaging (in this section, resin as fibers is included) shall not use halogen elements for the polymer structure as prescription constituents.

[Certification Procedure]

For plastic material used for products and packaging, stipulate use or no-use of halogen elements for the polymer structure in the attached certificate form.

- (9) Products shall conform to items of at least 10 points in Appendix 1 “Environment-Conscious Design Checklist.”

[Certification Procedure]

Stipulate conformance to this item in the attached certificate form. In addition, fill out necessary information in Appendix 1 “Environment-Conscious Design Checklist” and submit it together with necessary supporting data.

- (10) 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 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 business of manufacturing the applied product or the relevant plant manager (entry or Appendix 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)..

2-1-2. Material Criteria and Certification Procedures

Each material for uppers, lining, and sock linings (products with no sock linings, insoles) shall satisfy the criteria concerning applicable material of the following A through D. However, surface areas in the relevant portion shall be totaled in descending order and the material that composes not less than 70% of the surface areas of the relevant portion shall be subject to the criteria. This shall not apply to small accessories such as buttons, strings, sewing thread, trimming, etc. Incidentally, to artificial leather and synthetic leather, the criteria concerning plastic material shall apply.

A. Leather material

- (11) Leather material shall be free of any abnormal smell such as mold, fish, petroleum, aromatic substance, etc. “To be free of any abnormal smell” means that the results of the odor test measured by a 5-grade functional panel method (German Industrial Standard DIN10955 or Swiss National Standard SNV195651) shall be grade 3 or lower.

[Certification Procedure]

Submit test results by a third-party test institute for the odor from leather material.

- (12) Color fastness shall conform to the reference value prescribed in Table 2. Incidentally, the upper leather shall undergo a drying test only, while lining, insole, or sock lining shall be subject to a drying test and a humidity cabinet test. However, in the event that no lining is provided for the upper leather, the flesh side shall be tested and follow the grade of grain-side drying test and humidity cabinet test.

Table 2 Color fastness criteria

	Drying test	Humidity test	Test method
Pigment-finish leather	Grade 3-4	Grade 2-3	ISO11640
Natural-finish deep color leather	Grade 2-3	Grade 2	
Natural-finish light-colored leather	Grade 3-4	Grade 2-3	

Natural unstained non-coated leather (natural-finish leather)	Grade 3-4	Grade 3-4	
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[Certification Procedure]

Submit test results by a third-party test institution for color fastness of leather material.

- (13) The elution of pentachlorophenol (PCP) from leather material shall conform to the reference values shown in Table 3 for each applicable product.

Table 3 Elution criteria of pentachlorophenol (PCP)

Substance name	Applicable products		Test method
	Newborns (under 36 months)	Adults (36 months or over)	
Pentachlorophenol (PCP)	Not more than 0.05 mg/kg	Not more than 0.5 mg/kg	67/548/EEC 76/769EEC* ¹ LMBG82-02-8* ² DIN53313 IULTCS-IUC25

*1... Council Directive relating to restrictions on the marketing and use of certain dangerous substances and preparations 76/769/EEC

*2... German restriction in some consumer goods

[Certification Procedure]

Submit test results by a third-party test institute with respect to elusion of pentachlorophenol (PCP) from leather material.

- (14) Leather material shall not have the dyestuff prescribed in Appendix 4 added as prescription constituent ingredients.

[Certification Procedure]

Attach the certificate of dyeing issued by tanners for the dyestuff used for the leather material.

- (15) Elution of heavy metals from leather material conform to reference values shown in Table 4 for each applicable product.

Table 4 Elution standard of heavy metals

Substance name	Applicable products		Test method
	Newborns (under 36 months)	Adults (36 months or over)	
Lead	Not more than 0.2 mg/kg	Not more than 0.8 mg/kg	2000/53/EC* ³ DIN38406
Cadmium	Not more than 0.1 mg/kg	Not more than 0.1 mg/kg	2000/53/EC DIN38406
Mercury	Not more than 0.02 mg/kg	Not more than 0.02 mg/kg	2000/53/EC DIN38406
Nickel	Not more than 1.0 mg/kg	Not more than 4.0 mg/kg	67/548/EEC* ⁴ ISO105E04 DIN38406

Cobalt	Not more than 1.0 mg/kg	Not more than 4.0 mg/kg	67/548/EEC ISO105E04 DIN38406
Hexavalent chromium	Not detected	Not detected	2000/53/EC DIN54020 DIN53314 IULTCS-IUC18
Total chromium	Not more than 50 mg/kg	Not more than 200 mg/kg	ISO105E04 DIN38406 JIS K 6550

*3... Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of-life vehicles

*4... Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

[Certification Procedure]

Submit test results by a third-party test institute with respect to the elution of heavy metals from leather material.

- (16) The content of formaldehyde of leather material shall conform to the reference values of Table 5 for each target.

Table 5 Criteria of formaldehyde content

Substance name	Target			Test method
	Newborns (under 36 months)	Adult (skin contact*5)	Adult (others)	
Formaldehyde	Not more than 16 mg/kg	Not more than 75 mg/kg	Not more than 300 mg/kg	MHLW Ministerial Ordinance No. 34 ISO/TS 17226 DIN 17226

*5... Members directly coming in contact with a foot

[Certification Procedure]

Submit test results by a third-party test institute with respect to the content of formaldehyde of leather material.

B. Textile Material

- (17) In the color material used for textile material, the dyestuff prescribed in Appendix 5 shall not be added as prescription constituent ingredients. For textiles other than wool, chromium-based dyestuff shall not be added as prescription constituent ingredients.

[Certification Procedure]

Submit a dyeing certificate issued by a plant manager of the plant where textile material is dyed.

- (18) For textile material, conduct a minimum required processing (mildew proof, fluorescent whitening, softening, hygienic, product bleaching)

and give thoroughgoing consideration to prevent over-processing. In addition, do not use any processing agent whose safety to human body is doubtful. However, fur products shall conform to Ministerial Ordinance No. 34 of Ministry of Health, Labour, and Welfare on the processing using dieldrin and DTTB in addition to consideration to above-mentioned processing.

[Certification Procedure]

Submit a certificate issued by the textile material manufacturer or the applicant. If the textile material was subject to any processing, report the kind of processing agents and the quantity consumed in accordance with the attached certificate form. For fur products, state presence or absence of dieldrin and DTTB-used processing, and if they were subject to any processing, explain the conformance to MHLW Ministerial Ordinance No. 34.

- (19) The formaldehyde content of the textile material shall conform to the reference value of Table 6 for each target.

Table 6 Criteria of formaldehyde content

Substance name	Target			Test method
	Newborns (under 36 months)	Adult (skin contact*6)	Adult (others)	
Formaldehyde	Not more than 16 mg/kg	Not more than 75 mg/kg	Not more than 300 mg/kg	MHLW Ministerial Ordinance No. 34

*6...Members directly coming in contact with a foot

[Certification Procedure]

Submit test results by a third-party test institute or in-house test results with respect to the content of formaldehyde of textile material.

C. Plastic material (including artificial leather and synthetic leather material)

- (20) Plastic additives such as plasticizers, colorants, stabilizers, lubricants, and others used for plastic material and harmful substances of recycled plastic material shall conform to the reference values of heavy metals of Ministerial Notification No. 370 of Ministry of Health, Labour, and Welfare (standards of foods, additives, etc.), or others.

[Certification Procedure]

For plastic additives and recycled plastic material, submit the results of elution tests of cadmium, lead, mercury, and hexavalent chromium

prescribed in MHLW Notification No. 370, ISO 8124-3 (corresponding standard: 88/378/EEC EN71-3) or EA Notification No. 46, which were conducted by a third-party test institute, etc. It is acceptable for the applicant to submit a certificate by plastic manufacturers or molders attesting that the material registered in the positive list prescribed by the industry's spontaneous criteria, etc. is used.

- (21) No specific chlorofluorocarbon (five kinds of CFC) set forth in Appendix 6, other CFCs, carbon tetrachloride, trichloroethane, and alternatives for chlorofluorocarbon (HCFC) shall be used when plastic material is manufactured.

[Certification Procedure]

Submit a certificate issued by plastic material manufacturer.

D. Rubber material

- (22) Harmful substances of rubber material shall conform to the heavy metal reference values of Ministerial Notification No. 370 of Ministry of Health, Labour, and Welfare (standards of foods, additives, etc.), or others.

[Certification Procedure]

Submit the results of elution tests of cadmium, lead, mercury, and hexavalent chromium prescribed in MHLW Notification No. 370, ISO 8124-3 (corresponding standard: 88/378/EEC EN71-3) or EA Notification No. 46, which were conducted by a third-party test institute, etc. However, in the event that the product does not use any post-consumer material and any applicable heavy metal is not added for every raw material as prescription constituent ingredients, for the heavy metal, a document that can evidence the conformance to the criteria by rubber material manufacturer or the applicant may be submitted.

2-2. Quality Criteria and Certification Procedures

- (23) With respect to the product quality, implement quality management on strength against cracking of outsoles or rupture of upper leather (tear strength, flexibility, etc.), strength of heels (fixing strength, impact strength, etc.), and the product quality conforms to industry or in-house quality criteria. "Safety shoes," "antistatic shoes," "chemical protection high boots," and "work shoes for protection from radioactive

contamination” shall conform to the applicable Japanese Industrial Standard.

[Certification Procedure]

Present the applicable quality standard and quality criteria and submit a certificate that evidences the conformance to the standard and the criteria. In addition, submit a certificate issued by a plant manager or a quality control manager of the plant where the product is manufactured, stating that the quality control in the manufacturing stages is thoroughly implemented.

December 1, 2008	Established (Version1.0)
November 30, 2015	Validity Period

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

Appendix 1 Environment-conscious design checklist

Type name

Applicant

Company
seal

Purpose	No.	Requirements	Achieved	Points	Supporting material
Use of recycled material	1	Compounding ratio of recycled material, etc. in part of members (components) of the product satisfies any of the requirements of Appendix 2.	Yes/No	2 per member	See the following page. Textiles: entry table 143-13; plastic and rubber: any of entry tables 143-14 to 16; timber: entry tables 143-17 to 18, any of entry table 143-19, or entry table 143-20 through 22.
Reduction of VOC of adhesives	2	Adhesives used for sewing the upper shall be water-based or hot-melt adhesives. Or double-faced adhesive tape, etc. are used and no adhesives are used.	Yes/No	1	Enter the name of adhesives used for upper sewing in the following parentheses. ()
	3	Adhesives used for bonding the upper and the sole shall be water-based or hot-melt adhesives.	Yes/No	2	Enter the name of adhesives used for bonding the upper to the sole. ()
	4	All adhesives free of any addition of toluene and xylene shall be used.	Yes/No	2	Adhesive Conformance Certificate
Promotion of long-term use and easy maintenance	5	No polyester-based polyurethane shall be used for the out sole. In addition, when polyurethane is used for the out sole, ether-based polyurethane or polyurethane improved to prevent hydrolysis shall be used.	Yes/No	2	Enter the certificate for material used. In the case of using polyurethane improved prevent hydrolysis, data, etc. that evidence the improvement.
	6	In products in which no polyurethane is used, shoe manufacturing date is indicated in any of the product proper, product label, product tab, etc.	Yes/No	2	Applicable portion where manufacturing date is stipulated (copies and manuscripts are acceptable).
	7	The applicant shall be in the system to disclose information on manufacturing date and production area for each member of a shoe at the request of consumers, etc.	Yes/No	1	Documents that explain the information disclosure system.
	8	For the upper material, a plurality of different materials shall not be used (Ex. sole leather + PP trimming, etc.).	Yes/No	1	Color photograph of the product (to be attached to Eco Mark Product Certification/Use Application).
	9	The product shall have a construction that enables easy replacement of product portions, such as replacement of out soles (excluding replacement of accessories).	Yes/No	3	Documents that specifically explain that the product has a construction easy to replace components.
Resources saving	10	No ornamental components not related to functions such as stones, chains, beads, metal foils, etc. shall not be used.	Yes/No	1	Color photograph of the product (to be attached to Eco Mark Product Certification/Use Application).
	11	In the components of sole portions of the applied product, there are standardized components which are made by the same material and in the same shape, and used for other products (excluding accessories). Two points are given when the standardized other product is one article number and three points are given when the standardized other product is two or more article numbers.	Yes/No	2 or 3	Documents that specifically explain that the components of the sole of the applied product are standardized and are able to be used for other products.
	12	The paper material used for a one-pair shoebox contains not less than 70% recycled pulp compounding ratio.	Yes/No	1	None
	13	The paper material used for a one-pair shoebox does not undergo any processing unsuited for paper recycling after disposal, such as laminate coating, etc.	Yes/No	1	None
			Total	Point	*Ten points or more are judged "ACCEPTED."

Appendix 2

Kind of material	Recycled material, etc.	Reference compounding ratio (mass%) in applicable members (components)
Textiles	Unused textiles, recycled refibrillated textiles, waste plant fiber	More than 10%
	Polymer recycled fibers, chemical recycled fibers	More than 40%
	Unbleached cotton, hydrogen peroxide bleached cotton, ozone bleached cotton, and no fluorescent brightener (see Appendix 3)	100%
	Organically grown cotton	100%
Plastics	Recycled plastics	More than 20%
Rubber	Recycled rubber	More than 20%
Timber	Lumber from thinning, waste wood, lower grade timber, waste plant fiber	100%

* In the event that recycled material is used for ground fabric of artificial leather and synthetic leather, the reference compound ratio of textiles shall apply.

Appendix 3 List of chemicals that can be used for finishing process.

In the case of hydrogen peroxide bleaching (refining and bleaching are conducted in the same process)	
<Process>	<Chemicals allowed to be used>
Starch removal	Boiling water, citric acid, acetic acid, salt, enzyme (protease, lipase, amylase, cellulase, etc.), low-impact and biodegradable anionic, cationic, nonionic active agents, sodium gluconate, other organic chelating agents
Refining and bleaching	Boiling water, enzyme (protease, lipase, amylase, cellulase, etc.), citric acid, acetic acid, low-impact and biodegradable anionic, cationic, nonionic active agents, sodium gluconate, other organic chelating agents, soda ash, not more than 1.5% (as purity content) hydrogen peroxide. However, they must be removed by enzyme or boiling water, citric acid, and acetic acid and no residue shall be left on the final textile.
In the case of non-bleaching (refining and bleaching are conducted in separate process)	
<Process>	<Chemicals allowed to be used>
Starch removal	Not specified
Refining (no bleaching conducted)	Boiling water, enzyme (protease, lipase, amylase, cellulase, etc.), citric acid, acetic acid, low-impact and biodegradable anionic, cationic, nonionic active agents, sodium gluconate, other organic chelating agents

[Certification Procedure]

Submit a certificate stipulating the mass ratio of recycled material, etc. in the relevant members (components) and the following material certificate for recycled material, etc.

In the event that the material is textile, attach the material certificate issued by a spinning company. For non-bleaching, hydrogen peroxide bleaching, and ozone bleaching, report the chemicals used. To organically grown cotton, attach a certificate issued by an eligible institute of cotton production district and the invoice, packing list or delivery notice issued at the time of transaction.

In the event that the material is plastics or rubber, submit the material certificate issued by recycled material producers (recycled material collection traders, etc.).

In the event that the material is timber, submit the material certificate that states that the relevant material falls under any of recycled or unused timber or waste plant fibers, which is issued by material producers (timber producers, etc.). However, in the event that the number of material producers exceed 10 companies, it is allowed to submit the certificates of companies of top-ten material transaction volume.

In the event that timber from thinning is used for material, submit the certificate of production region which stipulates the production region, kind of trees, quantity, and planting year as well as photographs of applicable forest units (that indicate thinning has been carried out). Include thinning ratio, how many times of thinning, and other information as much as possible.

In the event that lower grade timber is used for material, submit a certificate that stipulates the following:

- Kind of forest (naturally regenerated forest, planted forest, etc.), producing region, and kind of trees. In the case of a planted forest, stipulate the planting year, too.
- Under what conditions (timber damaged by disease and insect pest, disaster-struck, bent or small-diameter, etc.) the timber was produced. With respect to small-diameter timber, report the forest management operation method, small end diameter, etc.

In addition to this, in the event that the product falls under paragraph a or b prescribed by the definitions of terms of lower grade timber, submit documents that the forest was certified by a third party as a sustainable forest. The relevant forest certificate shall satisfy the requirements of the table below.

Table Forest certificate

Certificate criteria	Certificate shall keep balance between ecological and social benefits, agree to Agenda 21 and the Declaration of Forest Principle, and observe related international agreements and treaties.
	Certificate shall contain definite requirements and shall promote and be oriented to sustainable forest.
	Certificate shall be nationally or internationally recognized and shall be recommended as part of an open process to which ecological, economic, and social interested parties can participate.
Certificate system	The certification system shall provide high transparency, maintain extensive national or international reliability, and enable the verification of requirements.
Certification organization and association	Certification organization and association shall be highly impartial and reliable, allow them to be verified as to whether or not they satisfy requirements, report the verification results, and be able to effectively implement requirements.

In addition, if of the lower-grade timber, bamboo is used for material, submit a certificate stipulating the following, photographs or a map of the vicinity of the bamboo grove.

- Kind of bamboo, producing district, surrounding conditions, explanation that it is the felling for appropriate maintenance management for environmental preservation, management plan, and quantity.

In the case of any material which uses an Eco-Mark-certified product as an intermediate product, stipulating “brand name,” “certification No.,” and “type” of the relevant intermediate product in an attached certification form can be substituted for a material certificate.

Appendix 4

List of banned dyestuff (leather)

[1] Azo dyestuff that may decompose and generate the following carcinogenic aromatic amines (one or more following amines are detected at exceeding 30 mg per 1 kg of product by the analysis method prescribed by the collection of testing procedures containing all the Official Test Methods pursuant to Article 35 of the German Food and Consumer Goods Law).

92-67-1	4-Aminobiphenyl	C1(EU),1(NTP,IARC)
92-87-5	Benzidine	C1(EU),1(NTP,IARC)
95-69-2	4-Chloro-o-toluidine	2A(NTP,IARC)
91-59-8	2-Naphthylamine	C1(EU),1(NTP,IARC)
97-56-3	o-Aminoazotoluene	C2(EU), 2B(NTP,IARC)
99-55-8	2-Amino-4-nitrotoluene	3(NTP,IARC)
106-47-8	4-Chloroaniline	C2(EU), 2B(NTP,IARC)
615-05-4	2,4-Diaminoanisole	2B(NTP,IARC)
101-77-9	4,4'-Diaminodiphenylmethane	C2(EU), 2B(NTP,IARC)
91-94-1	3,3-Dichlorbenzidine	C2(EU), 2B(NTP,IARC)
119-90-4	o-Dianisidine; 3,3'-Dimethoxybenzidine	C2(EU), 2B(NTP,IARC)
119-93-7	o-Tolidine; 3,3'-Dimethylbenzidine	C2(EU), 2B(NTP,IARC)
838-88-0	4,4'-Diamino-3,3'-dimethyldiphenylmethane	C2(EU), 2B(NTP,IARC)
120-71-8	p-Cresidine	2B(NTP,IARC)
101-14-4	4,4'-Diamino-3,3'-dichlorodiphenylmethane	C2(EU), 2A(NTP,IARC)
101-80-4	4,4'-Diaminodiphenyl ether	2B(NTP,IARC)
139-65-1	4,4'-Diaminodiphenyl sulfide	2B(NTP,IARC)
95-53-4	o-Toluidine	C2(EU), 2B(NTP,IARC)
95-80-7	2,4-Diaminotoluene	C2(EU), 2B(NTP,IARC)
137-17-7	2,4,5-Trimethylaniline	
90-04-0	o-Anisidine	C2(EU), 2B(NTP,IARC)
60-90-3	4-Aminoazobenzene	C2(EU)

[2] Six kinds of carcinogenic dyestuff

569-61-9	C.I. BASIC RED 9	CI 42500	C2(EU), 2B(NTP,IARC), Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	C2(EU), 2B(NTP,IARC), Oeko-Tex
3761-53-3	C.I. ACID RED 26	CI 16150	2B(NTP,IARC), Oeko-Tex
6459-94-5	C.I. ACID RED 114	CI 23635	2B(NTP,IARC)
2602-46-2	C.I. DIRECT BLUE 6	CI 22610	C2,R3(EU),2A(NTP,IARC), Oeko-Tex
1937-37-7	C.I. DIRECT BLACK 38	CI 30235	C2,R3(EU), 2A(NTP,IARC), Oeko-Tex

Reference: International Agency for Research on Cancer (IARC)
National Toxicology Program (NTP)
EU Directive 76/769/EC
EU Directive 2002/61/EC
Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers (ETAD)
Oeko-Tex Standard 100

Appendix 5

List of banned dyestuff (textiles)

- [1] Azo dyestuff that may decompose and generate the following carcinogenic aromatic amines (one or more following amines are detected at exceeding 30 mg per 1 kg of product by the analysis method prescribed by the collection of testing procedures containing all the Official Test Methods pursuant to Article 35 of the German Food and Consumer Goods Law).

Carcinogenicity rank (A1)		
92-67-1	4-Aminobiphenyl	C1(EU),1(NTP,IARC)
92-87-5	Benzidine	C1(EU),1(NTP,IARC)
95-69-2	4-Chloro-o-toluidine	2A(NTP,IARC)
91-59-8	2-Naphthylamine	C1(EU),1(NTP,IARC)
Carcinogenicity rank (A2)		
97-56-3	o-Aminoazotoluene	C2(EU), 2B(NTP,IARC)
99-55-8	2-Amino-4-nitrotoluene	3(NTP,IARC)
106-47-8	4-Chloroaniline	C2(EU), 2B(NTP,IARC)
615-05-4	2,4-Diaminoanisole	2B(NTP,IARC)
101-77-9	4,4'-Diaminodiphenylmethane	C2(EU), 2B(NTP,IARC)
91-94-1	3,3'-Dichlorbenzidine	C2(EU), 2B(NTP,IARC)
119-90-4	o-Dianisidine; 3,3'-Dimethoxybenzidine	C2(EU), 2B(NTP,IARC)
119-93-7	o-Tolidine; 3,3'-Dimethylbenzidine	C2(EU), 2B(NTP,IARC)
838-88-0	4,4'-Diamino-3,3'-dimethyldiphenylmet hane	C2(EU), 2B(NTP,IARC)
120-71-8	p-Cresidine	2B(NTP,IARC)
101-14-4	4,4'-Diamino-3,3'-dichlorodiphenylmet hane	C2(EU), 2A(NTP,IARC)
101-80-4	4,4'-Diaminodiphenyl ether	2B(NTP,IARC)
139-65-1	4,4'-Diaminodiphenyl sulfide	2B(NTP,IARC)
95-53-4	o-Toluidine	C2(EU), 2B(NTP,IARC)
95-80-7	2,4-Diaminotoluene	C2(EU), 2B(NTP,IARC)
137-17-7	2,4,5-Trimethylaniline	
90-04-0	o-Anisidine	C2(EU), 2B(NTP,IARC)
95-68-1	2,4-Xylidine	3(NTP,IARC)
87-62-7	2,6-Xylidine	2B(NTP,IARC)
60-90-3	4-Aminoazobenzene	C2(EU)

- [2] Carcinogenic dyestuff

569-61-9	C.I. BASIC RED 9	CI 42500	C2(EU), 2B(NTP,IARC), Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	C2(EU), 2B(NTP,IARC), Oeko-Tex
3761-53-3	C.I. ACID RED 26	CI 16150	2B(NTP,IARC), Oeko-Tex
6459-94-5	C.I. ACID RED 114	CI 23635	2B(NTP,IARC)
2602-46-2	C.I. DIRECT BLUE 6	CI 22610	C2,R3(EU),2A(NTP,IARC), Oeko-Tex
1937-37-7	C.I. DIRECT BLACK 38	CI 30235	C2,R3(EU), 2A(NTP,IARC), Oeko-Tex
573-58-0	C.I. DIRECT RED 28	CI 22120	C2,R3(EU) , Oeko-Tex
2932-40-8	C.I. DISPERSE YELLOW 3	CI 11855	Oeko-Tex

- [3] dyestuff causing skin sensitization

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505	ETAD, Oeko-Tex
12222-75-2	C.I. DISPERSE BLUE 35		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 106		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 124		ETAD, Oeko-Tex
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855	ETAD, Oeko-Tex
730-40-5	C.I. DISPERSE ORANGE 3	CI 11005	ETAD, Oeko-Tex

	C.I. DISPERSE ORANGE 37		ETAD, Oeko-Tex
2872-52-8	C.I. DISPERSE RED 1	CI 11110	ETAD, Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	Oeko-Tex
3179-90-6	C.I. DISPERSE BLUE 7	CI 62500	Oeko-Tex
3860-63-7	C.I. DISPERSE BLUE 26	CI 63305	Oeko-Tex
	C.I. DISPERSE BLUE 102		Oeko-Tex
	C.I. DISPERSE ORANGE 1	CI 11080	Oeko-Tex
	C.I. DISPERSE ORANGE 76		Oeko-Tex
2872-48-2	C.I. DISPERSE RED 11	CI 62015	Oeko-Tex
	C.I. DISPERSE RED 17	CI 11210	Oeko-Tex
119-15-3	C.I. DISPERSE YELLOW 1	CI 10345	Oeko-Tex
	C.I. DISPERSE YELLOW 9	CI 10375	Oeko-Tex
	C.I. DISPERSE YELLOW 39		Oeko-Tex
	C.I. DISPERSE YELLOW 49		Oeko-Tex

Reference: International Agency for Research on
Cancer (IARC)

National Toxicology Program (NTP)
EU Directive 76/769/EC
EU Directive 2002/61/EC
Ecological and Toxicological Association
of Dyes and Organic Pigments
Manufacturers (ETAD)
Oeko-Tex Standard 100

Appendix 6

CFC5s	Trichlorofluoromethane
	Dichlorodifluoromethane
	Trichlorotrifluoroethane
	Dichlorotetrafluoroethane
	Chloropentafluoroethane
Other CFCs	Chlorotrifluoromethane
	Pentachlorofluoromethane
	Tetrachlorodifluoroethane
	Hentachlorofluoropropane
	Hexachlorodifluoropropane
	Pentachlorotrifluoropropane
	Tetrachlorotetrafluoropropane
	Trichloropentafluoropropane
	Dichlorohexafluoropropane
Chlorohentafluoropropane	
	Carbon Tetrachloride
	1,1,1-Trichloroethane
HCFCs	Dichlorofluoromethane
	Chlorodifluoromethane
	Chlorofluoroethane
	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	

Appendix 7 Classification of applicable products (according to standard commodity classification for Japan)

Medium	Commodity item name					Classification A through C in Eco Mark Product Category No. 143 "Shoes and Footwear"	
80. Footwear	801 Leather shoes (excluding sports shoes)	8011 General leather shoes	80111 Men's leather shoes	801111 Full leather shoes		A Thongs are Category C	
				801112 Shoes with leather uppers and other material soles			
				801119 Other men's leather shoes			
			80112 Women's leather shoes	801121 Full leather shoes			
				801122 Shoes with leather uppers and other material soles			
				801129 Other women's leather shoes			
			80113 Babies and children leather shoes	801131 Children leather shoes	8011311 Full leather shoes		
					8011312 Shoes with leather uppers and other material soles		
					8011319 Other children leather shoes		
				801132 Babies shoes (size ranges from 10.5 to 14)	8011321 Full leather shoes		
					8011322 Shoes with leather uppers and other material soles		
					8011329 Other babies leather shoes		
			80119 Other general leather shoes				
			8012 Work leather	80121 Full leather shoes			

		shoes	80122 Shoes with leather uppers and other material soles			
			80129 Other work leather shoes			
		8019 Other leather shoes (excluding sports shoes)				
	802 Rubber footwear (size is same as leather shoes except full-rubber flip-flops and thongs. Excluding sports shoes)	8021 Workman's split-toed heavy-cloth shoes				C
		8022 rubber-soled cloth shoes	80221 General rubber-soled heavy-cloth shoes			B
			80229 Other rubber-soled heavy-cloth shoes			
		8023 Full rubber shoes	80231 High boots and rainboots			
			80232 Low quarter shoes and slippers			C
			80239 Other full rubber shoes			
		8024 Full rubber flip-flops and thongs	80241 Full-rubber flip-flops			C
			80242 Full-rubber thongs			
		8029 Other rubber footwear (size is same as leather shoes except full-rubber flip-flops and thongs. Excluding sports shoes)				B
	803 Plastic footwear (excluding sports shoes)	8031 Plastic footwear (paste type)	80311 General plastic shoes (size is same as leather shoes)	803111 Men's shoes	8031111 Full-plastic shoes	
					8031112 Shoes with plastic uppers and other material soles	
					8031119 Other men's shoes	

				803112 Women's shoes	8031121 Full-plastic shoes	
					8031122 Shoes with plastic uppers and other material soles	
					8031129 Other women's shows	
				803113 Babies and children shoes	8031131 Full-plastic shoes	
					8031132 Shoes with plastic uppers and other material soles	
					8031139 Other babies and children shoes	
			80312 Plastic thong			C
			80319 Other plastic footwear (paste type)			
	8032 Plastic footwear (injection molding type)	80321 Shoes with plastic soles and cloth uppers (size is same as leather shoes)	803211 General shoes			
			803219 Other shoes with plastic soles and cloth uppers			
		80322 Shoes with plastic soles and plastic uppers (size is same as leather shoes)	803221 General shoes			B
			803229 Other shoes with plastic soles and plastic uppers			
		80323 Full-plastic shoes	803231 High boots and rainboots			
			803232 Low quarter shoes and slipons			
			803233 Other plastic shoes			
		80329 Other plastic footwear (injection molding type)				B
	8039 Other plastic footwear (excluding sport shoes)					

804 Sport shoes	8041 Spike shoes and similarly regarded shoes	80411 Athletic sport shoes			A or B
		80412 Golf shoes			
		80413 Baseball shoes			
		80414 Rugby shoes			
		80415 Soccer shoes			
		80416 Football shoes			
		80419 Other spike shoes and similarly regarded shoes			
		8042 Flat-soled sport shoes	80421 Volleyball shoes		
	80422 Basketball shoes				
	80423 Tennis shoes				
	80424 Bowling shoes				
	80425 Dance shoes				
	80426 Sailing shoes				
	80427 Gateball shoes				
	80428 Gym shoes				
	80429 Other flat-soled sport shoes				
	8043 Special sport shoes		80431 Ice skates		
		80432 Roller skates			
		80433 Ski boots			
		80434 Mountain climbing shoes			
80435 Riding boots					
80439 Other special sport shoes					
8049 Other sport shoes					
805 Japanese footwear	8051 Getas (wooden clogs)	80511 Men's wooden clogs			C
		80512 Women's wooden clogs			
		80513 Children's wooden clogs			
	80519 Other wooden clogs			C	

		8052 Japanese sandals	80521 Men's Japanese sandals			
			80522 Women's Japanese sandals			
			80523 Children's Japanese sandals			
			80529 Other Japanese sandals			
		8059 Other Japanese footwear				
	806 Home flip-flops (excluding rubber flip-flops)					
	809 Other footwear					