

Eco Mark Product Category No.164

“Products made from recycled ocean plastic waste,
fishery plastic waste Version1.2”

Certification Criteria

- Applicable Scope-

Products made from recycled ocean plastic waste, fishery plastic waste, and those in which the weight percentage of plastic is 50% or more of the total weight of the product.

For the products that meet these certification criteria, application may be submitted for this product category even if the product falls under another Eco Mark product category.

Established: February 1, 2021

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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.164 “Products made from recycled ocean plastic waste and fishery plastic waste Version 1.2” Certification Criteria

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1. Purpose of Establishing Criteria

Omitted.

2. Applicable Scope

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3. Terminology

Omitted.

4. Certification Criteria and Certification Procedure

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

4-1. Environmental Criteria and Certification Procedure

4-1-1 Resource Saving and Resource Recycling

- (1) The ratio of recycled plastic from ocean plastic waste or fishery plastic waste to the plastic mass of the product shall be 10% or more. For products whose fiber portion in the outer area accounts for 50% or more, the mass of the fiber (excluding accessories such as button, fastener, hook and sewing thread, etc.) may be the denominator for the calculation instead of the plastic mass.

[Certification Procedure]

The total mass of the product, mass of plastic material, mass of non-plastic material, and mass percentage of ocean plastic waste and fishery plastic waste shall be specified in the attached certificate to certify that the percentage of ocean plastic waste and recycled plastic derived from fishery plastic waste in

the plastic material is not less than the standard content ratio. For ocean plastic waste, the following shall be attached in addition to the raw material certificate issued by the collecting operator: photographs showing the collected plastic waste from the ocean, a material such as a map showing the collection area, and other materials related to the collection of ocean plastic waste (copies of the documents showing the details of the contract with the local government, reporting material, etc.). For fishery plastic waste, photographs showing the collected fishery waste shall be attached to the application form in addition to the raw material certificate issued by the collecting operator

- (2) Traceability of ocean plastic waste and fishery plastic waste used as raw material have been confirmed for the process from collection to conversion into raw material. It has also been confirmed that the ocean waste etc. that cannot be used in the sorting/recycling process of ocean plastic waste are properly processed.

[Certification Procedure]

A document explaining the flow of procedures from the collection of the total waste from the ocean to the sorting and cleaning of ocean plastic waste and the treatment/disposal of other marine waste collected together with ocean plastic waste (breakdown of the items of marine waste, treatment details, etc.) shall be submitted. For fishery plastic waste, a document explaining the flow from the collection to recycling shall be submitted.

- (3) The product is not a "disposable product".

[Certification Procedure]

The attached certificate shall state that the product is not a "disposable product".

- (4) The product or the instruction manual, label, catalog, etc. attached to the product shall indicate information on the use of recycled ocean plastic waste for the product and details of ocean plastic waste (collection points, contents of collected waste, etc.). For a product recycled from fishery plastic waste, information shall be provided that fishery waste has been recycled.

[Certification Procedure]

Photos and design documents with which the content and area of the indication can be confirmed shall be submitted.

- (5) Products shall be able to be sorted by a part material (paper, wood, plastic, metal, glass, etc.) after use. However, in consideration of safety, any part required to be not easily sortable and fiber shall be excluded.

[Certification Procedure]

Product specifications or instruction indicating the method for sorting different materials used shall be submitted. If there is any part required to be not easily sortable in consideration of safety, a description thereof shall be provided.

4-1-2. Restriction and Control of Hazardous Substances

- (6) Plastic materials used in the product and packaging shall not be added plastics that contain halogen in polymer backbone as a prescription component.

[Certification Procedure]

For plastic materials, the Applicant shall state in the Attached Certificates whether any halogen element is added or not in polymeric backbone.

- (7) Elusion of chemical substances from plastic parts shall meet the requirements of the following eight items such as cadmium, lead, hexavalent chromium, arsenic, total mercury, PCB, benzene and selenium shown in Attachment 4 of the enforcement regulations of the environmental standard concerning soil contamination (2002, Environment Ministerial Ordinance No.29). If any standard values etc. are specified by laws and regulations (including national guidelines), comply with them.

[Certification Procedure]

A document explaining the control method to satisfy the standard values for heavy metals shall be submitted.

In addition, for plastic parts in which recycled material is used, the results of heavy metal test conducted by a third party organization, in-house, or otherwise shall be submitted. If any standard values etc. are specified by laws and regulations (including national guidelines), the test results showing compliance with them shall be submitted.

- (8) 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 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).

- (9) Adequate consideration shall be given so that various processing of fiber (mildew proofing, fluorescent whitening, flame retarding, softening, sanitation, antimicrobial finishing, product bleaching) is limited to a minimum, products will not be subjected to excessive processing, and that use of any processing agent that is suspected to affect safety to human body should be refrained voluntarily. Also, standard values in Table 1 shall be met.

The product shall not contain such flame retardants as Polybrominated biphenyl (PBB), Polybrominated diphenylether (PBDE), short-chain chlorinated paraffin

(the number of chained C is 10 to 13 and contained chloride concentration is 50% or over) or Hexabromocyclododecane (HBCD) when flame retardant is used.

In the case of using antibacterial agents, the product shall be certified by such as the SEK Mark of Japan Textile Evaluation Technology Council, etc.

- (10) The amount of free formaldehyde in fiber shall conform to a standard value by target product in Table 2. However, this item shall not be applied to a product which is installed outside the buildings. If standards for F☆☆☆☆ grade (formaldehyde release rate $5 \mu\text{g}/(\text{m}^2 \cdot \text{h})$ or less) are available as industry standards for interior design, etc., certification for F☆☆☆☆ grade is acceptable.
- (11) For a dye and pigment to be used in fiber, dyes and pigments and chromium defined in 1), 2), and 3) of Table 3 shall not be added as a prescription constituent.

4-2. Quality Criteria and Certification Procedures

- (12) The quality of the product shall meet the Japanese Industrial Standards (JIS) or other independent industrial standards. The quality control at the manufacturing stage shall be sufficiently implemented.

[Certification Procedure]

A certificate of compliance with the applicable quality standards shall be submitted. Also, a certificate showing that quality control at the manufacturing stage has been sufficiently implemented shall be submitted. If the applied product or the manufacturing plant of the applied product has been certified by JIS, submission of a copy of the JIS certificate can be substituted for certification of compliance with the standards.

5. Product Classification, Indication and Others

- (1) A product certification classification shall correspond to a product function group (6 or 7 digits in principle) based on Classification of Standard Goods in Japan and shall be by a brand name. Classification by size or color is not performed.
- (2) When indicating the Eco Mark on the packaging, it should be indicated so as to clearly show that the product packaging or container is the Eco Mark certified products and also show that the product content has nothing to do with the Eco Mark
- (3) In principle, Eco Mark logo shall be indicated on the product, etc.



(example)

Made from materials recycling ocean plastic waste such as XX.

Made from materials recycling fishery plastic waste such as XX.

(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/>)

February 1, 2021

Established (Version1.0)

September 1, 2023

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March 15, 2024

Revised (4-1-1(1),(5), 4-1-2(9),(10),(11) Version1.2)

August 31, 2028

Expiration date

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

Table 1. Standard value for processing agents of fiber material

Name	Criteria	Test Method	Concerned Products
Organic mercury compound Triphenyltin compound Tributyltin compound	Shall not be detected	MHW Ordinance No. 34	Products using fungicide
Dieldrin DTTB	30 ppm or less	MHW Ordinance No. 34 OekoTex	Products using wool products or mothproofing agents
APO TDBPP Bis (2,3-dibromopropyl) phosphate compound	Shall not be detected	MHW Ordinance No. 34	Products using fire retardant agents
PFOS PFOA	1 μ g/m ² or less 1 μ g/m ² or less	CEN/TS15968:2010 ISO25101 OekoTex	Products using fluorine system water repellent agents, oil repellent agents or soil-release finishing agents
DEHP/ DBP/ BBP/ DNOP/ DINP/ DIDP	0.1wt% or less	EN15777:2009 MHL notification No. 370 OekoTex	Printed products for small babies

Table 2 Standard of formaldehyde amount

Name of Substance	Target Product			Test Method
	Clothes for infants (under 24 months old)	Inner clothes (underwear, nightwear, gloves, socks, Tabi (Japanese socks), vest, blouse, shirt, T-shirt, polo shirt, etc. for those other than infants)	Outer clothes (business suit, sweater, cardigan, one-piece suit, skirt, overcoat, jacket, upper wear, pants, etc.)	
Formaldehyde	Not detected (16ppm or less)	75ppm or less	300ppm or less	Ordinance No. 34 of the Ministry of Health and Welfare

Table 3 List of prohibited dyes and pigments

- 1) Azo Dyes which may generate the following carcinogenic amines in degradation (Dyes whose detection value of the following aromatic amine exceed 30mg/kg according to JIS L 1940-1 and JIS L 1940-3 (ISO24362-1, ISO24362-3, or EN 14362-1, EN14362-2))

CAS No	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) Carcinogenic Dyes

CAS No	C.I.	
569-61-9	C.I. BASIC RED 9	CI 42500
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500
3761-53-3	C.I. ACID RED 26	CI 16150
2602-46-2	C.I. DIRECT BLUE 6	CI 22610
1937-37-7	C.I. DIRECT BLACK 38	CI 30235
573-58-0	C.I. DIRECT RED 28	CI 22120
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855
632-99-5	C.I. BASIC VIOLET14	
82-28-0	C.I. DISPERSE ORANGE11	

3) Skin Sensitizing Dyes

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505
12222-75-2	C.I. DISPERSE BLUE 35	
	C.I. DISPERSE BLUE 106	
	C.I. DISPERSE BLUE 124	
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855
730-40-5	C.I. DISPERSE ORANGE 3	CI 11005
	C.I. DISPERSE ORANGE 37	
2872-52-8	C.I. DISPERSE RED 1	CI 11110
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500
3179-90-6	C.I. DISPERSE BLUE 7	CI 62500
3860-63-7	C.I. DISPERSE BLUE 26	CI 63305
	C.I. DISPERSE BLUE 102	
	C.I. DISPERSE ORANGE 1	CI 11080
	C.I. DISPERSE ORANGE 76	
2872-48-2	C.I. DISPERSE RED 11	CI 62015
	C.I. DISPERSE RED 17	CI 11210
119-15-3	C.I. DISPERSE YELLOW 1	CI 10345
	C.I. DISPERSE YELLOW 9	CI 10375
	C.I. DISPERSE YELLOW 39	
	C.I. DISPERSE YELLOW 49	
	C.I. DISPERSE BROWN1	