



SIRIM ECO-LABELLING SCHEME

SIRIM ECO 018:2024

ISSUE DATE: FEBRUARY 2024

SECOND REVISION WITH AMD. 1:2024

Eco-labelling criteria - Recycled plastic products

SIRIM eco-labelling criteria documents

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AMENDMENT FOR PRODUCT CRITERIA DOCUMENT

PRODUCT CRITERIA DOCUMENT

ECO 018:2024

Eco-labelling criteria - Recycled plastics products

- (1) To amend the requirements for Flame retardant from < 0.0005 % to < 0.1 % as follows:

Table 3. Maximum allowable content of hazardous substances

Restricted substance	Allowable content (% by weight)	Test method
Heavy metal		
Arsenic, As	< 0.1 %	SW 846 6010 C or equivalent
Cadmium, Cd	< 0.01 %	
Copper, Cu	< 0.1 %	
Lead, Pb	< 0.1 %	
Mercury, Hg	< 0.1 %	US EPA Method 7473 (SW-846) or equivalent
Tin, Sn	< 0.1 %	SW 846 6010 C or equivalent
Hexavalent chromium (Cr ⁶⁺)	< 0.1 %	SW 846 3060 A or equivalent
Flame retardant		
Polybrominated biphenyls, PBBs	< 0.1 %	US EPA 8270 C or equivalent
Polybrominated diphenyl ethers, PBDEs		
Phthalate-based plasticizers		
Dibutyl phthalate (DBP)	< 0.1 %	US EPA 8270 C or equivalent
Butyl benzyl phthalate (BBP)	< 0.1 %	
Di (2-ethylhexyl) phthalate (DEHP)	< 0.1 %	
Di-isobutyl phthalate (DIBP)	< 0.1 %	
NOTE. Phthalate may be exist as individually or in combination with each other in concentration < 0.1 % by weight.		
SOURCE: Substances restricted under REACH - ECHA (europa.eu)		

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Foreword

This eco-labelling criteria document is developed by SIRIM Berhad to support implementation of labelling for environmentally preferred products or services in Malaysia. The need for environmental labelling for products and services has been identified by the Malaysian industries to respond to requests from both domestic and foreign purchasers. Globally established concepts for labelling have been taken into consideration in developing the criteria, whilst evaluation methodologies selected are based on life cycle assessment and consideration with reference to international or other recognised standards.

This eco-labelling criteria document is developed through consultation with the industry players and other stakeholders and endorsed for adoption by a committee established by SIRIM Berhad. This document is subject to review to reflect changing needs and conditions. Users and other interested parties may submit comment on the content of this document for incorporation into future revisions.

The use of eco-labelling criteria document is not mandatory unless otherwise required by regulatory authorities.

Eco-labelling certification scheme offers certification for a range of products and services in conformance with the criteria document. For further information on the eco-labelling certification scheme, contact:

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