

DRAFT JAMAICAN STANDARD

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Draft Jamaican Standard  
Guide  
for  
Exposing and Testing Plastics that  
**Degrade in the Environment by a Combination of Oxidation  
and Biodegradation**

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**BUREAU OF STANDARDS JAMAICA**

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**24 MAY 2026 – 23 JUNE 2026**

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DJS ASTM D6954-24: 2026

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Product Certification Marks



Plant Certification Mark



Certification of Agricultural Produce (CAP) Mark



Jamaica-Made Mark

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This standard was circulated in the draft form for comment under the DJS ASTM D6954-24.

Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

The attention of those using this standard specification is called to the necessity of complying with any relevant legislation.

Amendments

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## National foreword

This standard is an adoption and is identical to ASTM D6954-24 Standard Guide for Exposing and Testing Plastics that Degrade in the Environment by a Combination of Oxidation and Biodegradation published by ASTM.

## Scope of the standard

This guide provides a framework or road map to compare and rank the controlled laboratory rates of degradation and degree of physical property losses of polymers by thermal and photooxidation processes as well as the biodegradation and ecological impacts in defined applications and disposal environments after degradation. Disposal environments range from exposure in soil, landfill, and municipal or industrial compost in which thermal oxidation may occur and land cover and agricultural use in which photooxidation may also occur.

Where the words 'International Standard' appear, referring to this standard, they should be read as 'Jamaican Standard'.

Where reference is made to informative and normative annexes the following definitions should be noted:

- Informative Annex – gives additional information intended to assist in the understanding or use of the document. They do not contain requirements.
- Normative Annex – gives provisions additional to those in the body of a document. They contain requirements.

Users should note that all standards undergo revision from time to time and that any reference made herein to any standard implies its latest edition, unless otherwise stated.

This standard is voluntary.

## Acknowledgment

Acknowledgement is made to the ASTM International for permission to adopt ASTM D6954-24 Standard Guide for Exposing and Testing Plastics that Degrade in the Environment by a Combination of Oxidation and Biodegradation.