

## List of Bamboo Standards promulgated by the BSJ (as at 1 February 2025)

### Bamboo-specific Standards:

JS ISO 21626-3: 2024	<b>Jamaican Standard Specification for Bamboo charcoal – Part 3: Purification applications</b> This document specifies the requirements and test methods of bamboo charcoal for air-purification applications.
JS ISO 21629-2: 2024	<b>Jamaican Standard Specification for Bamboo floorings - Part 2: Outdoor use</b> This document specifies the technical requirements, test methods and requirements for the handling, storage, packaging and marking of outdoor bamboo flooring.
JS ISO 19624: 2024	<b>Jamaican Standard Specification for Bamboo structures - Grading of bamboo culms - Basics principles and procedures</b> This document specifies grading procedures for visually and mechanically sorting round, or pole, bamboo for structural applications using such fundamental elements.
JS 362: 2023	<b>Jamaican Standard Specification for Bamboo sticks for culinary and related purposes</b> The standard describes the requirements for disposable bamboo sticks for culinary and related purposes, processed from bamboo timber materials (Bamboo Species including Bambusa vulgaris and Dendrocalamus asper and D. latiflorus). This standard also applies to bamboo barbecue skewers, bamboo fudge or ice cream sticks, bamboo incense sticks and bamboo toothpicks.
JS 363: 2023	<b>Jamaican Standard Specification for Bamboo woven products</b>

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	This standard specifies relevant terms and definitions, classification, requirements, test methods, inspection rules, marks, packaging, transportation and storage of bamboo woven products.
JS ISO 21625: 2022	<b>Vocabulary related to bamboo and bamboo products</b> This document defines terms related to bamboo, intermediate bamboo and bamboo products. This document is applicable to bamboo, intermediate bamboo and bamboo products in production and trade.
JS ISO 21626-1:2022	<b>Bamboo charcoal — Part 1: Generalities</b> This document specifies the requirements and test methods for bamboo charcoal. It is applicable to the bamboo charcoal briquette.
JS ISO 21626-2:2022	<b>Bamboo charcoal — Part 2: Fuel applications</b> This document specifies the requirements and test methods of the raw and moulded bamboo charcoal for fuel applications.
JS ISO 21629-1: 2022	<b>Bamboo floorings — Part 1: Indoor use</b> This document specifies the technical requirements and test methods for indoor bamboo flooring for internal use.
JS ISO 22156 : 2022	<b>Bamboo structures — Bamboo culms — Structural design</b> Applies to the use of bamboo structures, i.e. structures made of bamboo (round bamboo, split bamboo, glued laminated bamboo) or bamboo-based panels joined together with adhesives or mechanical fasteners. This International Standard is based on limit-state design, and on the performance of the structure; see also 7.1. It is only concerned with the requirements for mechanical resistance, serviceability and durability of structures. Other requirements, e.g. concerning thermal or sound insulation, are not considered. Bamboo used as a composite structure may require additional considerations beyond this International Standard. Execution (work on-site,

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	and fabrication of components off-site, and their erection on-site) is covered to the extent that is necessary to indicate the quality of construction materials and products which should be used and the standard of workmanship on-site needed to comply with the assumptions of the design rules. ISBN 978-976-604-616-3.
JS ISO 22157: 2021	<b>Bamboo structures — Determination of physical and mechanical properties of bamboo culms — Test methods</b> This document specifies test procedures for specimens obtained from round bamboo culms. The data obtained from the test methods can be used to establish characteristic physical or mechanical properties to be used in structural engineering design or for other scientific purposes. This document provides methods for evaluating the following physical and strength properties: moisture content, density, mass per unit length; strength properties parallel to the fibre direction, compression, tension and bending, and strength properties perpendicular to the fibre direction, tension and bending. It also provides methods to estimate moduli of elasticity in bending, compression and tension parallel to fibres, and bending perpendicular to fibres
JCP 8: 2021	<b>Jamaican Standard Code of Practice for Bamboo plantation</b> This standard is primarily applicable to the nursery and plantation practices for <i>Bambusa vulgaris</i> , the most common bamboo growing in Jamaica. With a few adjustments, however, it can be applied to all sympodial bamboo species.
JS 354: 2021	<b>Jamaican Standard Specification for Bamboo protective face masks</b> The standard describes the testing and requirements for bamboo materials used in the construction of protective face masks and filters that are used in preventing the penetration of bacteria and viruses.
JS 106 Part 6: 2021	<b>Furniture Part 6: Laminated bamboo furniture</b> This standard specifies the requirements for aesthetically pleasing laminated bamboo furniture. This standard also gives consideration to health, safety and environmental concerns.

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JS 348: 2020	<b>Bamboo straws</b> This Jamaican Standard specifies the general characteristics, requirements and methods for testing of bamboo drinking straws. It is applicable to bamboo straws having an inner diameter of 1 mm to 12 mm.
JS 334 : 2015	<b>Canned/Packaged bamboo shoots</b> Prescribes the requirements and methods of sampling and testing for canned/packaged bamboo shoots for cooking or direct consumption, catering purposes, and for value added products. ISBN 978-976-604-647-7
JS 106 Part 2 : 2014	<b>Furniture Part 2: Bamboo and indigenous furniture</b> Specifies the requirements for indigenous furniture, namely those made from bamboo, rattan, wicker, tibusiri and nibbi materials. This standard also gives consideration to health safety and environmental concerns. ISBN 978-976-604-581-4

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### ISO standards adopted to support the bamboo paper industry:

- 1 ISO 4094:2005 Paper, board and pulps -- International calibration of testing apparatus -- Nomination and acceptance of standardizing and authorized laboratories
- 2 ISO 7213:1981 Pulps -- Sampling for testing
- 3 ISO/TR 10688:2015 Paper, board and pulps -- Basic terms and equations for optical properties
- 4 ISO 23714:2014 Pulps -- Determination of water retention value (WRV)
- 5 ISO/TR 24498:2006 Paper, board and pulps -- Estimation of uncertainty for test methods
- 6 ASTM D4727/D4727M-17: Standard Specification for Corrugated and Solid Fiberboard Sheet Stock (Container Grade) and Cut Shapes
- 7 ASTM D5118/D5118M-15: Standard Practice for Fabrication of Fiberboard Shipping Boxes
- 8 ASTM D5168-12(2017): Standard Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers
- 9 ASTM D5663-15: Standard Guide for Validating Recycled Content in Packaging Paper and Paperboard
- 10 ASTM D5722-14: Standard Practice for Performing Accelerated Outdoor Weathering of Factory-Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freeze-Thaw Procedure
- 11 ASTM D685-17: Standard Practice for Conditioning Paper and Paper Products for Testing
- 12 ASTM D7030-04(2017): Standard Test Method for Short Term Creep Performance of Corrugated Fiberboard Containers Under Constant Load Using a Compression Test Machine
- 13 ASTM D4991 Standard Test Method for Leakage Testing of Empty Rigid Containers by Vacuum Method
- 14 ASTM D5276 Standard Test Method for Drop Test of Loaded Containers by Free Fall
- 15 ASTM D3521 Standard Test Method for Surface Wax Coating On Corrugated Board
- 16 ASTM D1305-16 Standard Specification for Electrical Insulating Paper and Paperboard—Sulphate (Kraft) Layer Type
- 17 ASTM E619-17 Standard Practice for Evaluating Foreign Odors in Paper Packaging
- 18 ASTM D1968-15 Standard Terminology Relating to Paper and Paper Products
- 19 ISO 13820:2014 Paper, board and corrugated fibreboard -- Description and calibration of compression-testing equipment
- 20 ISO 11371:2013 Pulps -- Basic guidelines for laboratory refining
- 21 ISO 216:2007 Writing paper and certain classes of printed matter -- Trimmed sizes -- A and B series, and indication of machine direction

### **List of Bamboo Standards promulgated by the BSJ (as at 1 February 2025)**

- 22 ISO 4046-1:2016 Paper, board, pulps and related terms – Vocabulary - Part 1: Alphabetical index
- 23 ISO 4046-2:2016 Paper, board, pulps and related terms – Vocabulary - Part 2: Pulping terminology
- 24 ISO 4046-3:2016 Paper, board, pulps and related terms – Vocabulary - Part 3: Paper-making terminology
- 25 ISO 4046-4:2016 Paper, board, pulps and related terms – Vocabulary - Part 4: Paper and board grades and converted products
- 26 ISO 4046-5:2016 Paper, board, pulps and related terms – Vocabulary – Part 5: Properties of pulp, paper and board
- 27 ISO 287:2009 Paper and board -- Determination of moisture content of a lot -- Oven-drying method
- 28 ISO 534:2011 Paper and board -- Determination of thickness, density and specific volume
- 29 ISO 1924-2:2008 Paper and board -- Determination of tensile properties
- 30 ISO 3034:2011 Corrugated fibreboard -- Determination of single sheet thickness
- 31 ISO 3036:1975 Board -- Determination of puncture resistance
- 32 ASTM D2423-90(2017) Standard Test Method for Surface Wax on Waxed Paper or Paperboard