



**BRUNEI DARUSSALAM STANDARD
PIAWAI BRUNEI DARUSSALAM**

PBD 39:2022

BRUNEI STANDARD FOR SAPODILLA

**NATIONAL STANDARDS COUNCIL
BRUNEI DARUSSALAM**

Published by
National Standards Centre

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Attention is drawn to the fact that this Brunei Darussalam Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The Brunei Darussalam Standards are subject to periodical review according to the current needs of the local industries and to keep abreast of progress in the industries concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

Disclaimer:

- 1) *Piawai Brunei Darussalam are subject to periodic review with references to technological changes and new developments. Any changes made hereafter are documented through the issue of either amendments or revisions.*
- 2) *Compliance with this piawai Brunei Darussalam does not exempt users from legal obligations or purport to include all the necessary provisions of a contract.*
- 3) *This PBD 39:2022 does not purport to include all the necessary provisions of a contract.*

Amendments issued since publication

| Amd No | Date of issue | Text affected |
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Brief Intro on National Standards Council

Formed in 2009, the Council act as the body responsible for strengthening and monitoring standards and conformance in Brunei Darussalam. Its members encompass multiple agencies across the Government, industry, academia and consumer interests and are envisaged to provide policy direction that will firm up national initiatives to create and stimulate sustainable economic growth. In this endeavour, factors such as the creation and promotion of awareness on consumer safety and interests will also form part of the main scope of the council.

The work of the council is facilitated by the National Standards Centre (NSC), under the Ministry of Finance and Economy. With the main role of strengthening the capacity and sustainability of the national standards infrastructure, the NSC has been instructed to act as a body that provides a platform to complement the formation of the Council.

On matters pertaining to the development of national standards i.e. Piawai Brunei Darussalam (PBD), the management of activities are monitored through the formation of National Standards Committees. Clustered based on the scope of its industry, the work of developing PBD stands guided by international practice with the involvement of multiple agencies across the Government, industry and public as a whole.

Further Information on Piawai Brunei Darussalam, Please Contact:

National Standards Centre

Ministry of Finance and Economy

B19, Simpang 32-15, Flat Anggerek Desa, BB8810

Office No: +673 2333964

Email: standarddevelopment@mofe.gov.bn

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Committee Representation

The Technical Committee on Agricultural Crops was entrusted by the Department of Agriculture and Agrifood, Ministry of Primary Resources and Tourism for the preparation of this Brunei Darussalam Standard. The members of the Technical Committee are as follows:-

| Name | Organisation |
|---|--|
| Chairman : Hirman bin Haji Abu | Department of Agriculture and Agrifood |
| Deputy Chairman : Mat Rusli bin Bakar | Department of Agriculture and Agrifood |
| Secretariats : Siti Sundussiah Binti Haji Abdullah Sani : Zurairah binti Haji Mohd Salleh : Mohamad Faa'id bin Haji Mohamad Kasim | Department of Agriculture and Agrifood |
| Members : Haji Noor Azri bin Haji Mohd Noor : Jormasita@Masita binti Jormasie : Normah binti Tuah : Nur Sakinah binti Samli : Hajah Jamilah binti Haji Abidin : Hj Muhd Shukri bin Haji Makhbar : Hjh Saaimah binti Haji Abdi Manaf : Khairunnisa binti Haji Omar Ali : Siti Amaniah binti Awang Besar | Department of Agriculture and Agrifood |
| : Lau How Teck | Hua Ho Agricultural Farm |
| : Jamarshahzuin bin Hj Mohd Jaafar | Ladang Bioprop Sdn Bhd |
| : Haji Muliadi bin Moksini | Marsya Farm |
| : Foo Gwen Tong | Gropoint Sdn Bhd |
| : Pg Dato Paduka Haji Abdul Rahman bin Pg Seri Indera Pg Hj Ismail | RZ Prisma Enterprise |
| : Haji Asmali bin Haji Mohamad | Perusahaan Zaias Enterprise |
| : Yeo Kok Ket | Green Technology Farm |
| : Diyana 'Aliyah binti Abdullah | Diyana 'Aliah Enterprise |
| : Haji Hanafiah bin Awang Haji Zaini | RNR Agriculture Farm |
| : Mohammad Baihaqey bin Pehin Shari | Greenthumb Farm Sdn Bhd |
| : Haji Hassan bin Hasbi | Hasmit Enterprise |

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This publication was developed by the Technical Committee for Agricultural Crops under Department of Agriculture and Agrifood, Ministry of Primary Resources and Tourism.

This document is a direct adoption from the ASEAN Standards for Horticultural Produce and Other Food Crops which was prepared by Taskforce on the ASEAN Standards for Horticultural Produce and Other Food Crops involving representatives from all ASEAN member countries.

Foreword

This publication is a result of dedication and commitment from the Technical Committee of Agricultural Crops (TCAC) which comprised of officers and specialists from various backgrounds under the Department of Agriculture and Agrifood, Ministry of Primary Resources and Tourism. Inputs from various stakeholders in the agricultural communities were also paramount in moulding the content of this standard.

The development of the Brunei National Standard on Agricultural Crops is adopted from the ASEAN Standards for Horticultural Produce and Other Food Crops and also the International Codex Standard for Rice (CODEX STAN 198-1995).

Brunei National Standard on Agricultural Crops aims to cater agricultural communities in the country with an instrument that will maintain and improve the quality of agricultural produce in particular rice, vegetables and fruits. It is fundamentally designed to set a standard for on-farm production activities that will assure the quality and enhance the competitiveness of agricultural produce from this country, in both domestic and export markets. The standard is pivotal in supporting the Ministry's strategic planning which emphasizes four key elements; growth, productivity, export and sustainability. Ultimately, the development of this standard is also in-line with and in support of ASEAN Economic Community's (AEC) effort on the promotion of single market through facilitating intra and extra ASEAN trade, quality assurance and ensuring safety standard of farm produce.

This standard encompasses various on-farm production activities which include the definition of produce, quality, sizing, tolerances, presentation, marking or labelling, contaminants, hygiene, and sampling and analysis techniques. It is important to note that, this standard only covers commercial varieties of crops which are to be supplied fresh and ready to be consumed. Agricultural produce for industrial processing is generally excluded. In this edition, the focus of the standard will be placed upon sapodilla, cucumber, pumpkin, eggplant and melon.

This standard may also serve as a general reference and guidance for importer, exporter, agricultural extensions, farming communities, academic researchers, policy makers and also general public who are involved in agriculture activities.

BRUNEI STANDARD FOR SAPODILLA

1. DEFINITION OF PRODUCE

This standard applies to sapodilla, also known as chico, of commercial varieties grown from *Manilkara zapota* (L.) P. van Royen of Sapotaceae family for fresh consumption. Sapodilla for industrial processing is excluded.

2. PROVISIONS CONCERNING QUALITY

2.1 MINIMUM REQUIREMENTS

In all classes, subject to the special provisions for each class and the tolerances allowed, the sapodilla fruit shall be:

- whole with or without peduncle;
- showing characteristics of the variety;
- fresh and firm;
- sound, produce affected by rotting or deterioration such as to make it unfit for consumption is excluded;
- clean, practically free of any visible foreign matter;
- practically free of physical and/or physiological damage;
- practically free of pests¹;
- practically free of the damage caused by pests affecting the general appearance of the produce;
- free of abnormal external moisture, excluding condensation following removal from cold storage; and
- free of any foreign odour and/or taste.

The development and condition of the sapodilla shall be such as to enable them:

- to withstand transport and handling, and
- to arrive in satisfactory condition at the place of destination.

2.1.1 Minimum Maturity Requirements

The sapodilla shall be harvested and have reached an appropriate degree of development and maturity, in accordance with the area in which they are grown.

¹ The Provision for pest applies without prejudice to the applicable plant protection rules applied by governments in line with the International Plant Protection Convention (IPPC).