



PIAWAI BRUNEI DARUSSALAM

PBD 50:2024

BRUNEI STANDARD FOR PINEAPPLE

**MAJLIS STANDARD DAN AKREDITASI
BRUNEI DARUSSALAM**

Published by
Pusat Standard dan Akreditasi Brunei Darussalam



All rights reserved. Unless otherwise specified, no part of this Piawai Brunei Darussalam may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilming, without permission in writing from Pusat Standard dan Akreditasi Brunei Darussalam.

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. Suggestion of amendments will be recorded and in due course brought to the notice of the committees concerned.

Disclaimer:

- 1) Brunei Darussalam Standards 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 Brunei Darussalam Standards does not exempt users from legal obligations or purport to include all the necessary provisions of a contract.*
- 3) This PBD XX:2024 does not purport to include all the necessary provisions of a contract.*

Amendments issued since publication

Amd No	Date of issue	Text affected

BRIEF INTRODUCTION ON MAJLIS STANDARD DAN AKREDITASI BRUNEI DARUSSALAM

The Majlis Standard Kebangsaan was formed in 2009 and reinstated as Majlis Standard dan Akreditasi Brunei Darussalam by consent of His Majesty the Sultan dan Yang Di - Pertuan of Brunei Darussalaam in February 2024. 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 endeavor, factors such as the creation and promotion of awareness on consumer safety and interests will also form part of the main scope for the council.

The work of the council is facilitated by the Pusat Standard dan Akreditasi Brunei Darussalam (PSABD), under the Ministry of Finance and Economy. With the main role of strengthening the capacity and sustainability of the national standards infrastructure, the PSABD has been instructed to act as the 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 best practices with the involvement of multiple agencies across the Government, industry and public as a whole.

Further information on Piawai Brunei Darussalam, please contact:

Pusat Standard dan Akreditasi Brunei Darussalam
Ministry of Finance and Economy
B19, Simpang 32-15, Flat Anggerek Desa, BB3713
Office No: +6732333964
Email: standarddevelopment@mofe.gov.bn

CONTENTS

	Page
Brief Introduction on Majlis Standard dan Akreditasi Brunei Darussalam	ii
Committee Representation	iv
Foreword	vi
1 Definition of Produce	1
2 Provision Concerning Quality	1
3 Provision Concerning Sizing	3
4 Provision Concerning Tolerances	3
5 Provision Concerning Presentation	4
6 Provision Concerning Marking or Labelling	5
7 Food Additives	6
8 Contaminants	6
9 Hygiene	6
10 Methods of Analysis and Sampling	6
11 References	8
12 Annex 1	10

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 Haji Abu Bakar	Department of Agriculture and Agrifood
Secretariats : Siti Sundussiah Binti Haji Abdullah Sani Department of Agriculture and : Mohamad Faa'id bin Haji Mohamad Kasim Agrifood	
Members : Normah binti Tuah : Khairunnisa binti Haji Omar Ali : Siti Amaniah binti Awang Besar : Rabiatal Adawiyah binti Pehin Bendahari Haji Abu Bakar : Nur Sakinah binti Haji Samli : Nurul Maz Juhairah binti Manjul : Muhammad Fuad Azzam bin Hj Latip : Elzarina binti Muhd Zuki : Saabiqah binti Abd Salam : Suhaimi bin Haji Daud : Haji Muhd Shukri bin Haji Makhbar	
: Lau How Teck	Hua Ho Agricultural Farm
: Jamarshahzuin bin Hj Mohd Jaafar	Ladang Bioprop Sdn Bhd
: Haji Muliadi bin Moxsin	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

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.

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 are generally excluded. In this edition, the focus of the standard will be placed upon okra, watermelon, oyster mushroom, banana, pineapple, tomato and young coconut

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 PINEAPPLE (PBD:50:2024)

1. DEFINITION OF PRODUCE

This standard applies to commercial varieties of pineapples grown from *Ananas comosus* L. Merr. of the Bromeliaceae family, to be supplied fresh to the consumer. Pineapples for industrial processing are 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 pineapples shall be:

- whole, with or without the crown, and with or without the stem;
- fresh in appearance, including the crown, when present, which should be free of dead or dried leaves;
- sound, produce affected by rotting or deterioration such as to make it unfit for is excluded;
- clean, practically free of any visible foreign matter;
- practically free of pests¹;
- practically free of the damage caused by pests affecting the general appearance of the produce;
- practically free from mechanical damage such as pronounced blemishes;
- practically free from physiological damage such as low and/or high temperature;
- free of abnormal external moisture, excluding condensation following removal from cold storage;
- free of any foreign smell/odour and/or taste; and
- total soluble solids content in the fruit flesh should be at least 12°Brix.

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

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

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).