

# BRUNEI STANDARD FOR MELON

(PBD:XX:2020)

## 1. DEFINITION OF PRODUCE

This standard applies to commercial varieties of Melon grown from *Cucumis melo* Linn. of the Cucurbitaceae family, to be supplied fresh to the consumer. Melon 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 melon shall be:

- whole;
- 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 mechanical and/or physiological damage;
- practically free of pests<sup>1</sup>;
- practically free of the damage caused by pests affecting the general appearance of the produce;
- free of any foreign odour and/or taste; and
- fresh in appearance, have a shape, colour and taste characteristic of the variety.

The stem, if present, should not exceed 5 cm.

The development and condition of the melon 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 Requirement

The melon should be harvested and have reached an appropriate degree of development and ripeness in accordance with characteristics proper to the variety and to the area in which they are grown.

Total soluble solid contents should not be less than 8%.

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<sup>1</sup> 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).

## 2.2 CLASSIFICATION

Melon is classified in three classes defined below:

### 2.2.1 "Extra" Class

Melon in this class shall be of superior quality. It shall be characteristic of the variety and/or commercial type and of well-formed. It shall be practically free of defects, provided these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package.

### 2.2.2 Class I

Melon in this class shall be of good quality. It shall be characteristic of the variety and/or commercial type. The following defects, however, may be allowed, provided these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package:

- slight defects in shape and color;
- slight defects such as blemishes. The total area affected shall not exceed 10% of the total surface.

The defects shall not, in any case, affect the flesh of the fruit.

### 2.2.3 Class II

This class includes melon, which do not qualify for inclusion in the higher classes, but satisfy the minimum requirements specified in Section 2.1. The following may be allowed, provided the melon retain their essential characteristics as regards the quality, the keeping quality and presentation:

- defects in shape and color;
- defects such as blemishes. The total area affected shall not exceed 15% of the total surface.

The defects shall not, in any case, affect the flesh of the fruit.

## 3. PROVISIONS CONCERNING SIZING

Size is determined by weight with the following table:

Size code	Weight
1	>2.5
2	2.1 - 2.5
3	1.5 – 2
4	<1.5

## **4. PROVISIONS CONCERNING TOLERANCES**

At all marketing stages, tolerances in respect to quality and size shall be allowed in each lot for produce not satisfying the requirements of the class indicated. Conformity assessment for the produce should be conducted in accordance with the relevant provisions in the *ASEAN Principles and Guidelines for National Food Control System* (CAC/GL 82-2013-Principles and Guidelines for National Food Control Systems, MOD), *ASEAN Principles for Food Import and Export Inspection and Certification* (CAC/GL 20-1995-Principles For Food Import and Export Inspection and Certification, MOD) and/or the *Codex Guidelines for Food Import Control System* (CXG 47-2003).

### **4.1 QUALITY TOLERANCES**

#### **4.1.1 "Extra" Class**

Five percent by number or weight of melon not satisfying the requirements of the class, but meeting those of Class I or, exceptionally, coming within the tolerances of that class.

#### **4.1.2 Class I**

Ten percent by number or weight of melon satisfying the requirements of the class but satisfying the minimum requirements, with the exception of produce affected by rotting or any other deterioration rendering it unfit for consumption.

#### **4.1.3 Class II**

Ten percent by number or weight of melon not satisfying the minimum requirements of the class.

### **4.2 SIZE TOLERANCES**

For all classes, 10% by number or weight of melon not satisfying the requirements as regards sizing, but falling within the size immediately above or below those indicated in Section 3.

## **5. PROVISIONS CONCERNING PRESENTATION**

### **5.1 UNIFORMITY**

The contents of each package (or lot for produce presented in bulk) shall be uniform and contain only melon of the same variety, origin, quality and size. The visible part of the contents of the package (or lot for produce presented in bulk) shall be representative of the entire contents.

### **5.2 PACKAGING**

Melon shall be properly packed in such a way as to protect the produce. The materials used inside the package shall be new, clean and of good quality such as to avoid causing any external or internal damage to the produce. The use of materials,

particularly of paper or stamps bearing trade specifications is allowed, provided the printing or labelling has been done with non-toxic ink or glue.

Melon shall be packed in each container in compliance with the *Codex Code of Practice for Packaging and Transport of Tropical Fresh Fruits and Vegetables* (CXC 44-1995).

### **5.2.1 Description of Containers**

The containers shall meet the quality, hygiene, ventilation and resistance characteristics to ensure suitable handling, shipping and preserving of the melon. Packages (or lot for produce presented in bulk) shall be practically free of all foreign matters and odour.

## **6. MARKING OR LABELLING**

### **6.1 CONSUMER PACKAGES**

In addition to the requirements of the *Codex General Standard for the Labelling of Prepackaged Foods* (CXS 1-1985), the following specific provisions apply:

#### **6.1.1 Name of Produce**

Each package shall be labelled as to the name of the produce and may be labelled as to the name of the variety and/or commercial type.

#### **6.1.2 Origin of Produce**

Country of origin and, optionally, district where grown, or national, regional or local place name.

### **6.2 NON-RETAIL CONTAINERS**

Each package shall bear the following particulars, in letters grouped on the same side, legibly and indelibly marked, and visible from the outside, or in the documents accompanying the shipment. For produce transported in bulk these particulars shall appear on a document accompanying the goods.

#### **6.2.1 Identification**

Name and address of Exporter, Packer and/or Dispatcher. Identification code<sup>2</sup> (optional).

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<sup>2</sup> The national legislation of a number of countries requires the explicit declaration of the name and address. However, in the case where a code mark is used, the reference "packer and/or dispatcher (or equivalent abbreviations)" has to be indicated in close connection with the code mark.

## 6.2.2 Name of Produce

Name of the produce “Melon” and the commercial type if the contents are not visible from the outside. Name of the variety (optional).

## 6.2.3 Origin of Produce

Country of origin and, optionally, district where grown or national, regional or local place name.

## 6.2.4 Commercial Identification

- Name of Produce;
- Origin of Produce;
- Variety name (optional);
- Class;
- Size;
- Number of units (optional); and
- Net weight (optional).

## 6.2.5 Official Inspection Mark (optional)

## 7. FOOD ADDITIVES

No food additives are permitted in this product.

## 8. CONTAMINANTS

**8.1** Melon shall comply with maximum residue limits for pesticides established by the ASEAN Harmonized MRLs of Pesticides and/or Codex Alimentarius Commission. In cases where the MRLs of pesticide are not included in the databases of ASEAN and Codex Alimentarius Commission, the commodity shall conform with the established MRL of the national authority.

**8.2** Melon shall comply with the maximum levels of the *ASEAN Harmonized Maximum Residue Limits for Contaminants* and/or the *Codex General Standard for Contaminants and Toxins in Food and Feed* (CXS 193-1995).

## 9. HYGIENE

**9.1** It is recommended that the product covered by the provisions of this Standard be prepared and handled in accordance with the appropriate sections of the *ASEAN Good Agricultural Practices (GAP)*, *ASEAN General Principle of Food Hygiene* (CAC/RCP 1-1969, Rev. 4 MOD), *Recommended International Code of Practice – General Principles of Food Hygiene* (CXC 1-1969), *Code of Hygienic Practice for Fresh Fruits and Vegetables* (CXC 53-2003), and other relevant Codex texts such as Codes of Hygienic Practice and Codes of Practice.

**9.2** The product should comply with any microbiological criteria established in accordance with the *Principles for the Establishment and Application of Microbiological Criteria for Foods* (CXG 21-1997).

## **10. METHODS OF ANALYSIS AND SAMPLING**

Analytical and sampling methods to be used for ascertaining conformance to the requirements of this specification shall be in accordance with relevant text in Codex Methods of Analysis and Sampling.

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## **REFERENCES:**

ASEAN General Principle for Food Hygiene, Recommended International Code of Practice – General Principles of Food Hygiene (CXC 1-1969).

ASEAN Good Agricultural Practices (GAP).

ASEAN Harmonized MRLs of Pesticides.

ASEAN Principles and Guidelines for National Food Control System.

ASEAN Principles for Food Import and Export Inspection and Certification (CAC/GL 20-1995-PRINCIPLES FOR FOOD IMPORT AND EXPORT INSPECTION AND CERTIFICATION, MOD).

Codex General Standard for the Labeling of Prepackaged Foods (Codex Stan 1-1985, Rev. 1-1991).

Codex Code of Hygienic Practice for Fresh Fruits and Vegetables (CXC 53-2003).

Codex Code of Practice for Packaging and Transport of Fresh Fruits and Vegetables. (CXC 44-1995).

Codex General Standard for Contaminants and Toxins in Food and Feed (CXS 193-1995).

Codex General Standard for the Labelling of Prepackaged Foods (CXS 1-1985).

Codex Guidelines for Food Import Control Systems (CXG 47-2003).

Codex Principles for the Establishment and Application of Microbiological Criteria for Foods (CXG 21-1997).

Codex Recommended International Code of Practice – General Principles of Food Hygiene (CXC 1-1969).

Codex Alimentarius: Methods of Analysis and Sampling.

Department of Agriculture- Ministry of Industry and Primary Resources. Brunei Darussalam. Proposed Draft Brunei Standard for [[muskmelon]] PBD/01-2009.

Draft Indonesia National Standard for Melon 2008.

Draft Philippine National Standard for Melon (year or number to be supplied by the Philippines).

Malaysian Standard Fresh Melon – Specification (First Revision) (MS 1028:2005).

## ANNEX 1

Country	Varieties
Brunei Darussalam	Earl's Melon (Japanese muskmelon) Sakata Glamour Melon Gorgeous
Indonesia	Aggressive 30 Alien Ameria Angel Apollo Autumn Waltz No. 2 Boss Diva Eldorado Galuh Garmelo Glamour Golden Langkawi Grand Lady Hass Hibrida Golden Paradise Hibrida Ladika 108 Hibrida MAI 119 Hibrida MAI.116 Hibrida Melindo - 1 Hibrida Melindo - 2 Hibrida Melindo - 3 Hibrida Melindo - 4 Hibrida Melindo - 5 Hibrida Melindo - 6 Hibrida Sumo 28 Hibrida Sweet M-10 Honey 1226 Honey Globe Indorif Jade Queen Japonika K - 2 Kanaya Lucky 20 Melindo 10 Melindo 7 Melindo 8 Melindo 9 Metando 80 Monami Red Morita New Century



	<p>Orio Putri Kencana Red Queen Robin Silver Light Sky Rocket Sonya Star Sun Sweet Lady Amanta Basir Mema Mema II Mema Sam Minori Orange Meta Sisilia Sunny Red 267 Sunrise Meta Ten Me</p>
Philippines	<p>Gulfstream Princesa Sugar baby</p>
Thailand	<p><i>Cantaloupensis Tongmanee 744</i> Sweet hart Early sweet Dixie jumbo Emerald gem Rangadew Summer dream Honey ball Bonus Sunlady No.1 Sritong</p> <p><i>Reticulatus</i> (netted melon) Cat 697 Action 434 ML 1340 ML 1373 ARKO 434 Sun net 858</p>
Malaysia	<p>Golden Melon Golden langkawi Signal Ai-xiang Glamour</p>

	<p>Goldes Marriage Eagle</p>
Myanmar	<p>Golden melon Sky rocket Mon ami red Sun lady Sun rise Emerald King Jade beauty Known you</p>
Philippines	<p>Gulfstream Princesa Sugar baby</p>
Thailand	<p><i>Cantaloupensis</i> Tongmanee 744 Sweet hart Early sweet Dixie jumbo Emerald gem Rangadew Summer dream Honey ball Bonus Sunlady No.1 Sritong <i>Reticulatus (netted melon)</i> Cat 697 Action 434 ML 1340 ML 1373 ARKO 434 Sun net 858 Boston Magritte NEON 022 Mori 005 CLUB 708 A-PLUS 675 CLASSIC 696 Emmerald King 393</p> <p><i>Inodorous</i> Morning sun 875 Sweet D25, Sweet D42 Super salmon JET</p>