

PHILIPPINE NATIONAL STANDARD

PNS/BAFPS 23:2005
ICS 65.020.20

Fresh cut flowers – Anthurium – Specification



BUREAU OF PRODUCT STANDARDS

Foreword

This Philippine National Standard for Anthurium was initially drafted by the staff of the Bureau of Plant Industry (BPS) and the Bureau of Agriculture and Fisheries Product Standards (BAFPS) during the consultative meeting on the Flower Festival Show in Baguio City in 2002.

In 2004, BAFPS conducted series of technical reviews and public consultations on the draft standards of anthurium prior to its approval.

The Technical Committee and Sub-Committees of BAFPS organized through the Special Order No. 411, series of 2001 recommends the following references:

Malaysian Standards Specification for Fresh Anthurium Cut Flowers (Standard type): MS 1280:1992; Standard and Industrial Research Institute of Malaysia (SIRIM).

Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD). The Philippine Recommends for Anthurium: PCARRD Philippine Recommends Series No. 31-A. Rev. Ed. Los Baños, Laguna. 1994.

EEC Quality Standards for Fresh Cut Flowers (Annex a of EEC Regulation No. 316/68).

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1 Scope

This standard establishes a system of grading and classifying fresh Anthurium varieties for ornamental purposes.

2 References

The titles of the standards publications referred to in this standard are listed on the inside back cover.

3 Definitions

For purposes of this standard, the following definitions shall apply:

3.1**appropriate stage of development**

stage of harvesting or maturity index of fresh anthurium cutflower that will ensure maximum handling and/or storage

3.2**burning or discoloration on the spathes**

caused by too much sunlight and excessive fertilizer application

3.3**deviation or curvature**

measurement of the straightness of the stem and noting the natural deviation from the line

3.3.1**malformation**

abnormality in shape of the spathes and spadices as well as stem

3.4**extraneous matter**

soil, pesticide residues and other adhering dirt on the spathes and stems

3.5**flower form**

variation in the size, shape and curvature of spathes of anthurium flower

4 Minimum requirements

In all classes subject to the special provisions for each class and the tolerances allowed, the anthurium shall meet the following requirements:

4.1 Anthurium shall have reached an appropriate stage of development that could withstand transport, handling and satisfactory shelf life in addition to freshness, wholeness and absence of spray residue of the flowers.

4.2 Anthurium shall have uniformity of color of the same variety.

5 Classification

Anthurium shall be classified according to their general appearance and physical characteristics.

5.1 Extra class

Anthurium in this class shall be of superior quality. They shall be 100% free from damage caused by pests of animal or plant origin as follows:

- a) visible extraneous matter affecting the appearance;
- b) discoloration;
- c) defects of development and malformation and other defects; and
- d) bruising and other damage associated with postharvest handling and treatments.

5.2 Class I

Anthuriums in this class shall be of good quality and 90% free from:

- a) damage caused by pests of animal or plant origin;
- b) visible extraneous matter affecting appearance;
- c) malformation and other defects of development;
- d) discoloration; and
- e) bruising and other damage associated with postharvest handling and treatments.

5.3 Class II

This class consists of anthurium that satisfy the minimum requirements specified. The following slight defects shall be permitted for Class II:

- a) damage caused by pests, treatment products, etc.;
- b) visible extraneous matter;
- c) bruising or deterioration;
- d) malformation and other defects of development;
- e) bruising and other damage associated with handling and treatment.

6 Sizing

6.1 Size classification shall be based on the width of the flower. The length of the flower shall be measured from the base of the main stem to the tip of the flower.

6.2 The flower width and stem specification of anthurium for each class are graded according to the size of the spathe. For simpler and easier grading, growers and traders use the spathe width or the measurement of the broadest part of the flower in determining its size as specified in Table 1.

Table 1 – Flower width and stem specification

Size	Spathe width (cm)	Stem length (cm)
Extra Class	10 and above	80
Class I	8 – 9.9	70
Class II	7 – 7.9	60
Class III	6 – 6.9	50
Class IV	4.5 – 5.9	Below 50

NOTE The above flower width measurements are based on the old varieties such as Kaumana, Nitta, Ozaki and other varieties grown earlier. At present, new varieties from Holland are much bigger, thus there is a need to adjust the criteria for measurements.

7 Tolerances

7.1 Quality tolerances

7.1.1 Extra class – Anthurium shall have no defects.

7.1.2 Class I and class II – Five percent of the stems, by number, may have slight defects on condition that the uniformity of the flowers in a package is not affected. The defects in question may not impair the utility of the flowers.

7.1.3 Class III and class IV – Ten percent of the stems, by number, may have slight defects on condition that the uniformity of the flowers in a package is not affected. The defects in question may not impair the utility of the flowers.

7.2 Length tolerance

7.2.1 Length tolerance shall be permitted in each unit presentation.

7.2.2 In all classes, ten percent of the anthuriums by number, shall vary from the length requirements of the length code but shall not exceed 5 cm provided that the length does not fall below the lower limit of the length code.

8 Packaging

8.1 A unit presentation shall consist of a multiple of five (5) anthuriums in each package. However, the above provisions shall not apply if seller and buyer have expressly agreed to derogate from these.

8.2 A unit presentation shall contain the anthuriums of the same variety, and of the same class and length codes.

8.3 Each unit presentation shall be properly bunched, tied and sleeved with appropriate material.

8.4 Anthuriums shall be packed properly and the materials used inside the package shall be clean to avoid external and internal damage of the flowers.

9 Labeling

The label of each package shall have the following information:

9.1 Name of product, cultivar and color;

9.2 Quality classification and length code;

9.3 Number of stems;

9.4 Name and address or registered code of supplier and/or exporter;

9.5 Country of origin; and

9.6 The words "Product of the Philippines".

10 Sampling

Sampling size for certification purposes shall be based on the accepted statistical sampling scheme as agreed upon between the certifying agency and the supplier and/or exporter.

11 Compliance with specification

When found to comply with the requirements specified in this Philippine National Standard, the lot, the batch or the consignment from which the samples have been drawn, shall be deemed to comply with this Philippine National Standard Specification.

References

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Malaysian Standards: Specification for Chrysanthemum Cut Flowers (Standard type):

Standard and Industrial Research Institute of Malaysia (SIRIM).

Recommended Grades and Standards for Fresh Cut Flowers. Floral Marketing Association, 1500 Cacho Mill Road, P.O. Box 6036, Newark, Delaware 19714-6036.

B P S

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