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# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# LY/T 1868-2010

Replacing LY/T 1868-2010

## Guidelines for the conduct of tests for distinctnessuniformity and stability of Rose (Rosa L.)

植物新品种特异性、一致性、稳定性测试指南 蔷薇属

**(English Translation)**

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Preview: page 1 of 5 shown, 29 in the full document. Complete English PDF, instant download:
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# Table of Contents

Preface
1 Scope
2 Normative References
3 Terms and Definitions
4 Symbols and Abbreviations
5 Test Materials
6 Test Method
7 Specificity, consistency, and stability assessment
8 Variety Grouping
9 Characteristics Table
10 Technical Questionnaires
Appendix A (Normative) Properties Table
Appendix B (Normative) Explanation of the Characteristic Table
Appendix C (Normative) Technical Questionnaire
References

## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document supersedes LY/T 1868-2010 "Guidelines for Testing the Distinctiveness, Uniformity and Stability of Plant Varieties - Rosa", and is consistent with LY/T 1868-Compared to 2010, aside from structural adjustments and editorial changes, the main technical changes are as follows.

--Added thorns. number (excluding small thorns and bristles); leaves. anthocyanin coloring; flowers. number of petals; flowers. center color (double-flowered varieties only).

(Variety); Petals. a third color on the inner surface (only applicable to varieties with two or more colors on the inner surface of the petals, excluding basal spots); Flower Petals. The distribution of the third color on the inner surface (only applicable to varieties with two or more colors on the inner surface of the petals, excluding basal spots) comprises 6 traits.

--Petals removed. Trait with a base of 1.



Preview: page 2 of 5 shown, 29 in the full document. Complete English PDF, instant download:
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--The observation methods and timing for traits "Leaf. size; Flowering branch. number of lateral flower branches; Flower. diameter; Petal. size; Petal. length" have been changed.

"MS" stands for "MS/VG".

--The standard variety has been changed.

--The trait "Young branches. anthocyanin color development" has been changed to "Young branches. anthocyanin color development".

--The trait "Young branches. anthocyanin color development degree" has been changed to "Young branches. anthocyanin color development degree".

--Changed the property "Spiky. Primary Color" to "Spiky. Primary Color".

--The trait "Leaf. Size" has been changed from a mandatory (*) trait to a non-mandatory trait.

--The trait "Leaf. Green on upper surface" has been changed to "Leaf. Degree of greenness on upper surface".

--The trait "apical leaflet. shape" has been changed to "terminal leaflet. shape".

--The trait "apical leaflet. leaf base shape" has been changed to "apical leaflet. leaf base shape".

--The trait "apical leaflet. leaf tip shape" has been changed to "terminal leaflet. leaf tip shape".

--Changed the grading type in the trait "Bud. Longitudinal Section Shape". It was changed from 1 "Elliptical", 2 "Oval", 3 "Broad Oval" to 1 "Elliptical".

1."Shape", 2."Medium oval", 3."Broad oval".

--The trait type and grading criteria for "Flower. Type" have been changed from QN to QL, and the "Thousand-Petal" grading has been removed.

--Changed the trait "flower. color" to "flower. color group".

--The grading type in the "Floral. Fragrance" trait has been changed from 1 "None", 2 "Light", 3 "Strong" to 1 "None or Weak", 2 "Medium", 3 "Strong".

--Changed the trait "Petals. Degree of Edge Curl" to "Petals. Petals Curl Sequentially".

--The grading criteria for the trait "petals. edge notches" has been changed from a mandatory (*) trait to a non-mandatory trait.

-- Changed the trait "Petals. Number of colors inside (excluding base spots)" to "Petals. Number of colors on the inner surface (excluding base spots)".

(pigmentation spots).



Preview: page 3 of 5 shown, 29 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-1868-2010

--The trait "Petals. Color variation inside (only one color inside, excluding basal spots)" has been changed to "Petals. Color of the inner surface".

Variation (limited to varieties with only one color on the inner surface of the petals, excluding basal spots)".

--The trait "Petals. Color variation inside (only one color inside, excluding basal spots)" has been changed to "Petals. Color of the inner surface".

Variation (limited to varieties with only one color on the inner surface of the petals, excluding basal spots)".

--Changed the property "petal. inner primary color" to "petal. inner surface primary color".

--Changed the trait "Petals. Inner secondary color (excluding basal spots)" to "Petals. Inner surface secondary color (only two colors on the inner surface of the petal)".

(or varieties with two or more colors, excluding base spots).

-- Changed the trait "Distribution of secondary colors inside (only applicable to varieties with two or more colors inside the petals)" to "Petals. Secondary color distribution on the inner surface" Color distribution (only for varieties with two or more colors on the inner surface of the petals, excluding basal spots) is required.

--The trait "petal. inner base color spot" has been changed to "petal. inner surface base color spot".

--The trait "Petal. Size of the basal spot inside" has been changed to "Petal. Size of the basal spot on the inner surface".

--The trait "Petal. Color of the inner base spot" has been changed to "Petal. Color of the inner surface base spot," and the trait grading type has been adjusted.

The grading standard has been changed from "orange" to "tangerine yellow" and added with serial numbers 7 "red" and 8 "reddish brown".

--The trait "Petals. Main outer color (only applicable to varieties with a distinct color from the inner petals)" has been changed to "Petals. Main outer surface color (only applicable to varieties with a distinct outer color)".

(Applicable to varieties with a distinct color from the internal color).

--The grading type of the trait "stamen. main color of filament" has been changed, and the grading standard of serial number 8 "vermilion" has been added.

--The trait "Fruit. Shape of the basal longitudinal section" has been changed to "Fruit. Shape of the longitudinal section".

--The grading type in the trait "Fruit. Shape" has been changed from 1 "Pear", 3 "Ellipsoidal", 5 "Globose", 7 "Omega", and 9 "Inverted Pear" to 1 "Oval".



Preview: page 4 of 5 shown, 29 in the full document. Complete English PDF, instant download:
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3 "flattened spherical", 5 "spherical", 7 "ellipsoidal" and 9 "obovate".

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This document was proposed and is under the jurisdiction of the National Forestry and Grassland Administration.

## 1 Scope

This document specifies the technical requirements for testing the distinctiveness, uniformity, and stability of new varieties of Rosa L.

This document applies to the testing of the specificity, uniformity, and stability of new varieties of Rosa species.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

document.

GB/T 19557.1 General Guidelines for Testing the Distinctiveness, Uniformity and Stability of New Plant Varieties

## 3 Terms and Definitions

The terms and definitions defined in GB/T 19557.1 apply to this document.

### 4.1 Symbols

The following symbols apply to this document.

[C]. Test traits for cut flower types.

[G]. Test traits for courtyard type.

[P]. Test traits for potted plants.

(C). Standard varieties of cut flowers.

(G). Standard varieties for courtyard use.

(P). Standard varieties for potted plants.



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