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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

LY/T 1853-2009

Replacing LY/T 1853-2009

**Guidelines for the conduct of tests for distinctness, uniformity and
stability - Rhododendron(Rhododendron Subgenus
Hymenanthus(Blume) K. Koch and Subgenus Rhododendron L.)**

植物新品种特异性、一致性、稳定性测试指南 杜鹃花属常绿杜鹃亚属和杜鹃花亚
属

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces LY/T 1853-2009 "Guidelines for testing specificity, consistency and stability of new plant varieties" Compared with LY/T 1853-2009, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The quantity and type of test materials have been changed (see 5.2, 5.3, 4.1.2, 4.1.3 of the 2009 edition);
- b) Added the applicable environment of color in the test conditions (see 6.3.2);
- c) The description and grouping types of species groups have been changed (see 8.1, 8.2, 6.1, 6.2 of the 2009 edition);
- d) Added the standardized description of trait expression status and codes (see 9.4);
- e) Added standard varieties and parent information on expression status response, and selected varieties that are more common in breeding and gardening applications in my

country (see 9.5);

f) Added "Plant. Posture", "Leaf. Multiple Color", "Leaf. Secondary Color on Ventral Surface (only applicable to varieties with multiple color leaves)", "Leaf. Secondary Color Type" (Applicable only to varieties with multi-colored leaves)""Leaf. Cross-sectional shape""Leaf. Glossiness""Leaf. Ventral hair state""Inflorescence. Shape shape (side view, only tested varieties with more than 5 florets in the inflorescence)", "pedicel. color", "calyx. petalized", "corolla. outer hairs", "flower "Corolla lobes. notch at the top" "Corolla lobes. posture" "Corolla. showing nectar spots" "Corolla. showing the proportion of nectar spots" "Corolla. showing nectar spot types" "Corolla. nectar spot is significantly different from the color of the corolla lobes" "Corolla. nectar spot color" "Corolla. throat spot" "Corolla. throat spot color" "Corolla lobes. number of colors on the ventral side (excluding nectar spots and throat spots)" "Corolla lobes. primary color on the dorsal side (only applicable to the lobes with corolla lobes) the ventral side of the lobe has obvious color difference)" "Corolla lobes. back side has colorful rib-like stripes" "Corolla lobes. back side has colorful rib-like stripes" "Stamens. presence or absence" "Stamens. filament color" "Pistil. length" "Pistil. style color" "Flower. fragrance" "Phenology. leaves neat in autumn There are 30 traits in total (see Table A.1 in Appendix A);

g) Changed "Leaf. Length", "Leaf. Width", "Leaf. Shape", "Leaf. Young Leaf Ventral Color", "Leaf. Ventral Main Color", "Leaf.

Leaf tip shape", "Leaf blade. leaf base shape", "Leaf blade. texture", "Leaf blade. ventral hair state", "Petiole. length", "Inflorescence. number of florets" "Pedicel. length" "Corolla. length of corolla tube" "Corolla. shape of florets (side view)" "Corolla. type" "Corolla lobes. shape" "Flower "Corolla lobes. primary color on the ventral side" "Corolla lobes. secondary color on the ventral side (only applicable to varieties with multiple colors on the ventral side of the corolla lobes)" "Corolla lobes. secondary color on the ventral side Secondary color distribution (only applicable to varieties with polychromatic ventral surface of corolla lobes)" "Stamens. number" "Stamens. relative length to pistil" "Stamens. relative length to pistil" the expression status of 24 traits, including anther color, pistil color, stigma color, and phenology, is shown in Table A.1, 2009 edition.

Table A.1);

h) Deleted "Plant. Growth type", "Plant. Plant height", "Current year branch. Scales", "Current year branch. Epidermal hair type", "Current year branch. Hair color" "Old branches. epidermal hairs" "Leaves. autumn color" "Leaves. back color" "Leaves. veins and leaves the same color" "Leaves. hair color" "Leaf. Hair on the back of the leaf" "Leaf. Scale type" "Leaf. Serrations on the leaf margin" "Leaf. Whether the leaf margin has eyelashes" "Leaf. Whether the leaf margin is reversed" "Petiole. shape" "Inflorescence. attachment site" "Inflorescence. type" "Sepals. presence" "Sepals. color" "Sepals. persistent" "Sepals. margin hairy" "stamens. petalized" "stamens. filament base hairy" "pistil. lower part of style

hairy" "flower. gland" "corolla lobes.

Top shape" "Inside the corolla lobes. ornamentation" "Flower. color of corolla lobe ornamentation" "Fruit. shape" "Fruit. size" "Seed. seed wing" "Seed. seed wing attachment site", "leaf fall period", "fruit. maturity period", a total of 35 traits (see Table A.1);

i) The explanations and diagrams in the table of characteristics have been modified (see B.1 and B.2, A.2 of the 2009 edition);

j) The main characteristics that need to be tested in the technical questionnaire have been changed (see Table C.1, Appendix B of the 2009 edition).

1 Scope

This document specifies the subgenus *Hymenanthus* (Blume) of the genus *Rhododendron* L.

Technical requirements for the test.

This document is applicable to the specificity, consistency and stability testing of evergreen *Rhododendron* subgenus and *Rhododendron* subgenus plants and new interspecific hybrid varieties.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 19557.1 General Guidelines for Testing Specificity, 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 Symbols and abbreviations

The following abbreviations apply to this document.

TG. Test Guideline

5 Test Materials

5.1

Applicants should submit test materials that meet the quantity and quality requirements at the specified time and place.

The materials should comply with customs, plant quarantine and other requirements.