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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

**PHALAENOPSIS
DORITANOPSIS**

*(Phalaenopsis Blume)**(Phalaenopsis hybrids)**(Doritanopsis hybrids)*

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

*prepared by experts from the Netherlands**to be considered by the**Technical Working Party for Ornamental Plants and Forest Trees**at its forty-second session, to be held in Angers, France, from September 14 to 18, 2009*Alternative Names:^{*}

| <i>Latin</i> | <i>English</i> | <i>French</i> | <i>German</i> | <i>Spanish</i> |
|---|----------------|---------------|---------------|----------------|
| <i>Phalaenopsis Blume</i> <i>Phalaenopsis hybrids</i> <i>Doritanopsis hybrids</i> | Phalaenopsis | Phalaenopsis | Phalaenopsis | Phalaenopsis |

The purpose of these guidelines ("Test Guidelines") is to elaborate the principles contained in the General Introduction (document TG/1/3), and its associated TGP documents, into detailed practical guidance for the harmonized examination of distinctness, uniformity and stability (DUS) and, in particular, to identify appropriate characteristics for the examination of DUS and production of harmonized variety descriptions.

ASSOCIATED DOCUMENTS

These Test Guidelines should be read in conjunction with the General Introduction and its associated TGP documents.

^{*} These names were correct at the time of the introduction of these Test Guidelines but may be revised or updated. [Readers are advised to consult the UPOV Code, which can be found on the UPOV Website (www.upov.int), for the latest information.]

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Phalaenopsis* Blume and *xDoritaenopsis* of the family *Orchidaceae* and their hybrids.

2. Material Required

2.1 The competent authorities decide on the quantity and quality of the plant material required for testing the variety and when and where it is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities and phytosanitary requirements are complied with.

2.2 The material is to be supplied in the form of non-budded plants after flower treatment and which have not previously flowered.

2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

9 young plants.

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. Method of Examination

3.1 *Duration of Tests*

The minimum duration of tests should normally be a single growing cycle.

3.2 *Testing Place*

The tests should normally be conducted at one place. If any characteristics of the variety, which are relevant for the examination of DUS, cannot be seen at that place, the variety may be tested at an additional place.

3.3 *Conditions for Conducting the Examination*

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

3.3.2 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background.

3.4 *Test Design*

3.4.1 The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.

3.4.2 Each test should be designed to result in a total of at least 9 plants.

3.5 *Number of Plants / Parts of Plants to be Examined*

Unless otherwise indicated, all observations determined by measuring or counting should be made on 5 plants or parts taken from each of 5 plants and any other observations should be made on all plants in the test.

3.6 *Additional Tests*

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 *Distinctness*

4.1.1 General Recommendations

It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.2 Consistent Differences

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

4.1.3 Clear Differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.2 *Uniformity*

4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.2.2 For the assessment of uniformity a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 10 plants, 1 off-type is allowed.

4.3 *Stability*

4.3.1 In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, stability may be tested, either by growing a further generation, or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness is aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Plant: length (characteristic 1)
- (b) Leaf: variegation (characteristic 9)
- (c) Leaf: spots (characteristic 10)
- (d) Flower: width in front view (characteristic 22)
- (e) Petal: base color of upper side (characteristic (66) with the following groups
 - Gr. 1: white
 - Gr. 2: yellow
 - Gr. 3: green
 - Gr. 4: orange
 - Gr. 5: red
 - Gr. 6: violet
 - Gr. 7: purple red
 - Gr. 8: purple
 - Gr. 9: brown
- (f) Petal: shading (characteristic 67)
- (g) Petal: spots (characteristic 69)
- (h) Petal: stripes (characteristic 73)
- (i) Petal: netting (characteristic 76)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 *Categories of Characteristics*

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 *States of Expression and Corresponding Notes*

States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.3 *Types of Expression*

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo-qualitative) is provided in the General Introduction.

6.4 *Example Varieties*

Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

6.5 *Legend*

(*) Asterisked characteristic – see Section 6.1.2

QL Qualitative characteristic – see Section 6.3

QN Quantitative characteristic – see Section 6.3

PQ Pseudo-Qualitative characteristic – see Section 6.3

(a)-(c) See Explanations on the Table of Characteristics in Chapter 8, Section 8.1

(+) See Explanations on the Table of Characteristics in Chapter 8, Section 8.2

7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|-----------|--|---|--|---|--|---------------|
| 1. | Plant: length | Plante: longueur | Pflanze: Länge | Planta: longitud | | |
| (+) | | | | | | |
| QN | (a) short | courte | niedrig | baja | Phalboezeq | 3 |
| | medium | moyenne | mittel | media | Red Eye, Phalpnizok | 5 |
| | long | longue | lang | larga | Puccini, Figaro | 7 |
| 2. | Leaf: length | Feuille: longueur | Blatt: Länge | Hoja: longitud | | |
| QN | (a) short | courte | niedrig | baja | Phalbexi, SOGO F1384 | 3 |
| | (b) medium | moyenne | mittel | media | Puccini | 5 |
| | long | longue | lang | larga | Corneille | 7 |
| 3. | Leaf: width | Feuille: largeur | Blatt: Breite | Hoja: anchura | | |
| QN | (a) narrow | étroite | schmal | estrecha | SOGO Fairyland | 3 |
| | (b) medium | moyenne | mittel | media | Mrs Brown | 5 |
| | broad | large | breit | ancha | Moonwalker | 7 |
| 4. | Leaf: ratio length/width | Feuille: rapport longueur/largeur | Blatt: Verhältnis Länge/Breite | Hoja: relación longitud/anchura | | |
| QN | (a) small | petit | klein | pequeña | | 3 |
| | (b) medium | moyen | mittel | media | | 5 |
| | large | élevé | groß | grande | | 7 |
| 5. | Leaf: position of broadest part | Feuille: position de la partie la plus large | Blatt: Position der breitesten Stelle | Hoja: posición de la parte más ancha | | |
| (+) | | | | | | |
| QN | (a) lower third | tiers inférieur | im unteren Drittel | en el tercio inferior | | 1 |
| | (b) middle third | tiers médian | im mittleren Drittel | en el tercio medio | | 2 |
| | upper third | tiers supérieur | im oberen Drittel | en el tercio superior | | 3 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|---------------------------------------|--|--|--------------------------------------|--|---------------|
| 6. | Leaf: shape of apex | Feuille: forme du sommet | Blatt: Form der Spitze | Hoja: forma del ápice | | |
| (+) | | | | | | |
| PQ | (a) acute | aigu | spitz | agudo | SOGO Fairyland | 1 |
| | (b) obtuse | obtus | stumpf | obtus | Mrs Brown | 2 |
| | emarginate | émarginé | eingekerbt | emarginado | Happy Sheena Kirara' | 3 |
| 7. | Leaf: symmetry of apex | Feuille: symétrie du sommet | Blatt: Symmetrie der spitze | Hoja: simetría del ápice | | |
| QL | (a) asymmetric | asymétrique | asymmetrisch | asimétrico | SOGO Fairyland | 1 |
| | (b) symmetric | symétrique | symmetrisch | simétrico | Symphony | 2 |
| 8. | Leaf: attitude | Feuille: port | Blatt: Haltung | Hoja: porte | | |
| QN | (a) semi-erect | demi dressée | halbaufrecht | semierecta | Phalbnizok | 3 |
| | (b) horizontal | horizontale | waagrecht | horizontal | Symphony | 5 |
| | semi-pendulous | demi retombante | halbhängend | semicolgante | Moonwalker | 7 |
| 9. | Leaf: variegation | Feuille: panachure | Blatt: Panaschierung | Hoja: variegado | | |
| QL | (a) absent | absente | fehlend | ausente | SOGO Fairyland | 1 |
| | present | présente | vorhanden | presente | | 9 |
| 10. | Leaf: spots | Feuille: | Blatt: Flecken | | | |
| QL | (a) absent | absente | fehlend | ausente | SOGO Fairyland | 1 |
| | present | présente | vorhanden | presente | Phalnasxu | 9 |
| 11. | Leaf: main color of upper side | Feuille: couleur principale de la face supérieure | Blatt: Hauptfarbe der Oberseite | Hoja: color principal del haz | | |
| PQ | (a) yellowish green | vert jaunâtre | gelblichgrün | verde amarillento | Phalapek | 1 |
| | light green | vert claire | hellgrün | verde claro | Vivaldi | 2 |
| | medium green | vert moyen | mittelgrün | verde medio | Symphony | 3 |
| | dark green | vert foncé | dunkelgrün | verde oscuro | Puccini | 4 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|--|--------------------------------|---------------------------------------|--|---------------|
| 12. | Leaf: anthocyanin coloration of upperside | Feuille: pigmentation anthocyanique de la face supérieure | Blatt: Anthocyanfärbung | Hoja: pigmentación antociánica | | |
| QN | (a) | | | | | |
| | absent or very weak | absente or faible | fehlend oder sehr gering | ausente o débil | Mrs Brown | 1 |
| | weak | faible | gering | débil | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | strong | forte | stark | fuerte | | 7 |
| | very strong | très forte | sehr stark | muy fuerte | | 9 |
| 13. | Inflorescence: number | Inflorescence: nombre | Blütenstand: Anzahl | Inflorescencia: | | |
| QN | (a) | | | | | |
| | one | | ein | | T-Rex | 1 |
| | one or two | | eins oder zwei | | | 2 |
| | two | | zwei | | | 3 |
| | two or three | | zwei oder drei | | | 4 |
| | three | | drei | | SIO0020 | 5 |
| | more than three | | mehr wie drei | | | 6 |
| 14. | Inflorescence: type | Inflorescence: type | Blütenstand: Typ | Inflorescencia: tipo | | |
| (+) | | | | | | |
| QL | (a) | | | | | |
| | single flowered | | | | | 1 |
| | raceme | grappe | traubenartig | racimo | Puccini | 2 |
| | panicle | panicule | rispenartig | panícula | SOGO Fairyland | 3 |
| 15. | Inflorescence: length | Inflorescence: longueur | Blütenstand: Länge | Inflorescencia: longitud | | |
| (+) | | | | | | |
| QN | (a) | | | | | |
| | short | courte | kurz | corta | Florina, Mrs Brown | 3 |
| | medium | moyenne | mittel | media | Puccini | 5 |
| | long | longue | lang | larga | Pinnacle | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|--------------------------|--|---|--|---|--|---------------|
| 16. (+) | Inflorescence: number of flowers (excluding varieties with Inflorescence: type: single flowered) (see Char. 14) | Inflorescence: nombre de fleurs | Blütenstand: Anzahl der Blüten | Rama floral: longitud | | |
| QN (a) | few | faible | gering | bajo | Puccini | 3 |
| | medium | moyen | mittel | media | Alabaster | 5 |
| | many | élevé | gross | alto | SOGO Fairyland | 7 |
| 17. | Peduncle: length | Pédoncule: longueur | Blumenstiel: Länge | Pedúnculo: longitud | | |
| QN (a) | short | courte | kurz | corta | SOGO F1567 | 3 |
| | medium | moyen | mittel | media | Phaltulen | 5 |
| | long | longue | lang | larga | Puccini | 7 |
| 18. | Peduncle: thickness at lower third | Pédoncule: épaisseur | Blütenstiel: Dicke | Pedúnculo: grosor | | |
| QN (a) | thin | fin | dünn | delgado | Phaladadel | 3 |
| | medium | moyen | mittel | medio | Moonwalker | 5 |
| | thick | épais | dick | grueso | Queen of Hearts | 7 |
| 19. | Peduncle: anthocyanin coloration | Pédonculo: pigmentation anthocyanique | Blütenstiel: Anthocyanfärbung | Pedúnculo: pigmentación antociánica | | |
| QL (a) | absent | absente | fehlend | ausente | Phaltulen | 1 |
| | present | présente | vorhanden | presente | Mrs Brown | 9 |
| 20. (+) | Flower: general appearance of sepals and petals | Fleur: apparence générale des sépales et pétales | Blüte: allgemeine Erscheinungsform der Kelchblätter und der Blütenblätter | Flor: aspecto general de sépalos y pétalos | | |
| PQ (c) | incurving | incurvés | aufgebogen | curvados hacia arriba | SOGO Fairyland | 1 |
| | straight | | | | Phalboezeq | 2 |
| | reflexing | réfléchis | zurückgebogen | curvados hacia abajo | Mrs Brown | 3 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--------------------------------------|---------------------------------------|--|---|--|---------------|
| 21. | Flower: length in front view | Fleur: longueur en vue de face | Blüte: Länge in der Voransicht | Flor: longitud en vista frontal | | |
| (+) | | | | | | |
| QN | (c) short | courte | kurz | corta | Mrs. Brown | 3 |
| | medium | moyen | mittel | media | Phaladadel | 5 |
| | long | longue | lang | larga | Phalbobol | 7 |
| 22. | Flower: width in front view | Fleur: largeur en vue de face | Blüte: Breite in der Voransicht | Flor: anchura en vista frontal | | |
| (+) | | | | | | |
| QN | (c) narrow | étroite | schmal | estrecha | Mrs. Brown | 3 |
| | medium | moyenne | mittel | media | Phaladadel | 5 |
| | broad | large | breit | ancha | Hawaiien Dream | 7 |
| 23. | Flower: arrangement of petals | Fleur: disposition de pétales | Blüte: Position der Blütenblätter | Flor: disposición de los pétalos | | |
| (+) | | | | | | |
| QN | (c) free | | frei | | SOGO Fairyland | 1 |
| | touching | tangents | sich berührend | tocándose | Paloma | 2 |
| | overlapping | chevauchants | überlappend | tocándose | Halcyon | 3 |
| 24. | Flower: fragrance | Fleur: parfum | Blüte: Duft | Flor: fragancia | | |
| QN | (c) absent or very weak | absente ou faible | fehlend oder sehr gering | ausente o débil | SOGO Fairyland | 1 |
| | medium | moyenne | mittel | media | | 2 |
| | strong | présente | vorhanden | presente | Sun Passat | 3 |
| 25. | Dorsal sepal: length | Sépale: longueur | Kelchblatt: Länge | Sépalo: longitud | | |
| QN | (c) short | courte | kurz | corta | Green Star | 3 |
| | medium | moyen | mittel | media | Phaladadel | 5 |
| | long | longue | lang | larga | Hawaiien Dream | 7 |
| 26. | Dorsal sepal: width | Sépale: largeur | Kelchblatt: Breite | Sépalo: anchura | | |
| QN | (c) narrow | étroite | schmal | estrecha | Green Star | 3 |
| | medium | moyenne | mittel | media | Happy Days | 5 |
| | broad | large | breit | ancha | Paloma | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|---|--|---|---|--|---------------|
| 27. | Dorsal sepal: ratio length/width | Sépale: rapport longueur/largeur | Kelchblatt: Verhältnis Länge/Breite | Sépalo: relación longitud/anchura | | |
| QN | (c) moderately elongated | | | | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | moderately compressed | | | | | 7 |
| 28. | Dorsal sepal: position of broadest part | Sépale: position de la partie la plus large | Kelchblatt: Position der breitesten Stelle | Sépalo: posición de la parte más ancha | | |
| QN | (c) towards base | | | | | 1 |
| | at middle | | | | | 2 |
| | towards apex | | | | | 3 |
| 29. | Dorsal sepal: curvature of longitudinal axis | Sépale: courbure de l'axe longitudinal | kelchblatt: Biegung der Längsachse | Sépalo: curvatura del eje longitudinal | | |
| QN | (c) incurving | incurvés | aufgebogen | curvados hacia arriba | Cuckoo | 1 |
| | straight | | | | Mrs Brown | 2 |
| | recurving | retombant | zurückgebogen | curvados hacia abajo | Paloma | 3 |
| 30. | Dorsal sepal: shape in cross section | Sépale: section transversale | Kelchblatt: Querschnitt | Sépalo: corte transversal | | |
| QN | (c) concave | concave | konkav | cóncavo | SOGO Fairyland | 1 |
| | straight | droite | gerade | recto | Hawaiien Dream | 2 |
| | convex | convexe | konvex | convexo | Moonwalker | 3 |
| 31. | Dorsal sepal: twisting | Sépale: torsion | Kelchblatt: Drehung | Sépalo: torsión | | |
| QN | (c) absent | absente | fehlend | ausente | SOGO Fairyland | 1 |
| | present | présente | vorhanden | presente | | 9 |
| 32. | Dorsal sepal: undulation of margin | Sépale: ondulation du bord | Kelchblatt: Randwellung | Sépalo: ondulación del margen | | |
| QL | (c) absent | absente | fehlend | ausente | Phaladadel | 1 |
| | present | présente | vorhanden | presente | Miss Saigon | 9 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|---|--|--|---------------|
| 33. | Dorsal sepal: base color of upper side | Sépale: couleur principale de la face supérieur | Kelchblatt: Hauptfarbe der Oberseite | | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 34. | Dorsal sepal: shading | Sépale: | Kelchblatt: | Sépalo: | | |
| QL | (c) absent | absente | fehlend | ausente | Symphony | 1 |
| | present | présente | vorhanden | presente | Miss Saigon | 9 |
| 35. | Dorsal sepal: color of shade | Sépale: couleur | Kelchblatt: Farbe | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 36. | Dorsal sepal: spots | Sépale: | Kelchblatt: Flecken | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Phalmoqzin | 9 |
| 37. | Dorsal sepal: number of spots | Sépale: | Kelchblatt: Anzahl der Flecken | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 38. | Dorsal sepal: size of spots | Sépale: | Kelchblatt: Grösse der Flecken | | | |
| QN | (c) small | petit | klein | pequeña | | |
| | medium | moyen | mittel | media | | |
| | large | élevé | groß | grande | | |
| 39. | Dorsal sepal: color of spots | Sépale: couleur | Kelchblatt: Farbe der Flecken | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|--|---|--|--|---------------|
| 40. | Dorsal sepal: stripes | Sépale: | Kelchblatt: Streifen | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Figaro | 9 |
| 41. | Dorsal sepal: number of stripes | Sépale: | Kelchblatt: Anzahl der Streifen | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 42. | Dorsal sepal: color of stripes | Sépale: couleur | Kelchblatt: Farbe der Streifen | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 43. | Dorsal sepal: netting | Sépale: | Kelchblatt: | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Puccini | 9 |
| 44. | Dorsal sepal: density of netting | Sépale: | Kelchblatt: | Sépalo: | | |
| QN | (c) sparse | | | | | 3 |
| | medium | | | | | 5 |
| | dense | | | | | 7 |
| 45. | Dorsal sepal: color of netting | Sépale: couleur | Kelchblatt: Farbe | Sépalo | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 46. | Lateral sepal: base color of upper side | Sépale: couleur principale de la face supérieur | Kelchblatt: Hauptfarbe der Oberseite | | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|--|--|--|---------------|
| 47. | Lateral sepal: shading | Sépale: | Kelchblatt: | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Paloma | 1 |
| | present | présent | vorhanden | presente | Miss Saigon | 9 |
| 48. | Lateral sepal: color of shade | Sépale: couleur | Kelchblatt: Farbe | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 49. | Lateral sepal: spots | Sépale: | Kelchblatt: Flecken | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Paloma | 1 |
| | present | présent | vorhanden | presente | Green Star | 9 |
| 50. | Lateral sepal: number of spots | Sépale: | Kelchblatt: Anzahl der Flecken | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 51. | Lateral sepal: color of spots | Sépale: couleur | Kelchblatt: Farbe der Flecken | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 52. | Lateral sepal: stripes | Sépale: | Kelchblatt: Streifen | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Paloma | 1 |
| | present | présent | vorhanden | presente | Mrs. Brown | 9 |
| 53. | Lateral sepal: number of stripes | Sépale: | Kelchblatt: Anzahl der Streifen | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|---------------------------------------|--|--|---------------|
| 54. | Lateral sepal: color of stripes | Sépale: couleur | Kelchblatt: Farbe der Streifen | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 55. | Lateral sepal: netting | Sépale: | Kelchblatt: | Sépalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Paloma | 1 |
| | present | présent | vorhanden | presente | Puccini | 9 |
| 56. | Lateral sepal: density of netting | Sépale: | Kelchblatt: | Sépalo: | | |
| QN | (c) sparse | | | | | 3 |
| | medium | | | | | 5 |
| | dense | | | | | 7 |
| 57. | Lateral sepal: color of netting | Sépale: couleur | Kelchblatt: Farbe | Sépalo | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 58. | Petal: length | Pétale: longueur | Blütenblatt: Länge | Pétalo: longitud | | |
| (+) | | | | | | |
| QN | (c) short | courte | kurz | corta | SOGO Fairyland | 3 |
| | medium | moyen | mittel | media | Phaladadel | 5 |
| | long | longue | lang | larga | Paloma | 7 |
| 59. | Petal: width | Pétale: largeur | Blütenblatt: Breite | Pétalo: anchura | | |
| (+) | | | | | | |
| QN | (c) narrow | étroite | schmal | estrecha | Mrs Brown | 3 |
| | medium | moyenne | mittel | media | Puccini | 5 |
| | broad | large | breit | ancha | Paloma | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|--|--|---|--|---------------|
| 60. | Petal: ratio length/width | Pétale: rapport longueur/largeur | Blütenblatt: Verhältnis Länge/Breite | Pétalo: relación longitud/anchura | | |
| QN | (c) moderately elongated | | | | | 3 |
| | medium | | | | | 5 |
| | moderately compressed | | | | | 7 |
| 61. | Petal: position of broadest part | Pétale: position de la partie la plus large | Blütenblatt: Position der breitesten Stelle | Pétalo: posición de la parte más ancha | | |
| QL | (b) towards base | | | | | 1 |
| | at middle | | | | | 2 |
| | towards apex | | | | | 3 |
| 62. | Petal: curvature of longitudinal axis | Pétale: courbure de l'axe longitudinal | Blütenblatt: Biegung der Längsachse | Pétalo: curvatura del eje longitudinal | | |
| PQ | (c) incurving | incurvés | aufgebogen | curvados hacia arriba | SOGO Fairyland | 1 |
| | straight | | | | Mrs Brown | 2 |
| | recurving | retombant | zurückgebogen | curvados hacia abajo | Sun Passat | 3 |
| 63. | Petal: cross section | Pétale: section transversale | Blütenblatt: Querschnitt | Pétalo: corte transversal | | |
| QN | (c) concave | concave | konkav | cóncavo | Figaro | 1 |
| | flat | | | | Green Star | 2 |
| | convex | convexe | konvex | convexo | Puccini | 3 |
| 64. | Petal: twisting | Pétale: torsion | Blütenblatt: Drehung | Pétalo: torsión | | |
| QL | (c) absent | absent | fehlend | ausente | Mrs Brown | 1 |
| | present | présent | vorhanden | presente | | 9 |
| 65. | Petal: undulation of margin | Pétale: ondulation du bord | Blütenblatt: Randwellung | Pétalo: ondulación del margen | | |
| QL | (c) absent | absent | fehlend | ausente | Phaladadel | 1 |
| | present | présent | vorhanden | presente | Puccini | 9 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|--|--|--|---------------|
| 66. | Petal: base color of upper side | Pétale: couleur principale de la face supérieur | Blütenblatt: Hauptfarbe der Oberseite | Pétalo: color principal | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 67. | Petal: shading | Pétale: | Blütenblatt: | Pétalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Beaugard | 9 |
| 68. | Petal: color of shade | Pétale: couleur | Blütenblatt: Farbe | Pétalo: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 69. | Petal: spots | Pétale: | Blütenblatt: Flecken | Pétalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Phalmoqzin | 9 |
| 70. | Petal: number of spots | Pétale: | Blütenblatt: Anzahl der Flecken | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 71. | Petal: size of spots | Sépale: | Kelchblatt: Grösse der Flecken | | | |
| QN | (c) small | petit | klein | pequeña | | |
| | medium | moyen | mittel | media | | |
| | large | élevé | groß | grande | | |
| 72. | Petal: color of spots | Pétale: couleur | Blütenblatt: Farbe der Flecken | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|--|--|--|---------------|
| 73. | Petal: stripes | Pétale: | Blütenblatt: Streifen | Pétalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | Figaro | 9 |
| 74. | Petal: number of stripes | Pétale: | Blütenblatt: Anzahl der Streifen | | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 75. | Petal: color of stripes | Pétale: couleur | Blütenblatt: Farbe der Streifen | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 76. | Petal: netting | Pétale: | Blütenblatt: | Pétalo: | | |
| QL | (c) absent | absent | fehlend | ausente | Symphony | 1 |
| | present | présent | vorhanden | presente | SOGO Fairyland | 9 |
| 77. | Petal: density of netting | Pétale: | Blütenblatt: | | | |
| QN | (c) sparse | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | dense | élevé | gross | alto | | 7 |
| 78. | Petal: color of netting | Pétale: couleur | Blütenblatt: Farbe | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 79. | Lip: length of apical lobe | Labelle: longueur du lobe apical | Lippe: Länge des apikalen Lappens | Labio: longitud del lóbulo apical | | |
| QN | (c) short | courte | kurz | corta | Mrs Brown | 3 |
| | medium | moyen | mittel | media | Puccini | 5 |
| | long | longue | lang | larga | | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|---|---|---|---|--|---------------|
| 80. | Lip: width of apical lobe | Labelle: largeur du lobe apical | Lippe: Breite des apikalen Lappens | Labio: anchura des lóbulo apical | | |
| QN | (c) narrow | étroite | schmal | estrecha | Moonwalker | 3 |
| | medium | moyenne | mittel | media | Miss Saigon | 5 |
| | broad | large | breit | ancha | Phalmomen | 7 |
| 81. | Lip: shape of apical lobe | Labelle: forme du lobe apical | Lippe: Form des apikalen Lappens | Labio: forma del lóbulo apical | | |
| (+) | | | | | | |
| PQ | (c) ovate | ovale | eiförmig | oval | Puccini | 1 |
| | elliptic | elliptique | elliptisch | elíptica | | 2 |
| | obovate | obovale | verkehrt eiförmig | oboval | Symphony | 3 |
| | orbicular | orbiculaire | kreisförmig | orbical | Phalnasxu | 4 |
| | semi-circular | demi arrondi | halbkreisförmig | semicircular | | 5 |
| | deltoid | deltoïde | deltaförmig | deltoïde | Paloma | 6 |
| | obdeltoid | obdeltoïde | verkehrt deltaförmig | obdeltatoïde | Hacyon | 7 |
| | trullate | | | | | 8 |
| | rhombic | losangique | rautenförmig | rómbica | Green Star | 9 |
| 82. | Lip: whiskers | Labelle: cirres | Lippe: Haare | Labio: patillas | | |
| (+) | | | | | | |
| QL | (c) absent | absentes | fehlend | ausente | Moonwalker | 1 |
| | present | présentes | vorhanden | presente | Phalmomen | 9 |
| 83. | Lip: length of whiskers | Labelle: longueur des cirres | Lippe: Länge der Haare | Labio: | | |
| QN | (c) short | courte | kurz | corta | Green Star | 3 |
| | medium | moyen | mittel | media | Cuckoo | 5 |
| | long | longue | lang | larga | Snow Tiger | 7 |
| 84. | Lip: bump and ridge on apical lobe | Labelle: bosse et arête sur le lobe apical | Lippe: Höcker und Wulst am apikalen Lappen | Labio: chicón y cresta en el lóbulo apical | | |
| (+) | | | | | | |
| QL | (c) absent | absente | fehlend | ausente | SOGO F1567 | 1 |
| | present | présente | vorhanden | presente | Mrs Brown, Symphony | 9 |

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|------------|--|---|--|--|--|---------------|
| 85. | Lip: shape of lateral lobe | Labelle: forme du lobe latéral | Lippe: Form des Seitenlappens | Labio: forma del lóbulo lateral | | |
| (+) | | | | | | |
| PQ | (c) type I | type I | Typ I | tipo I | | 1 |
| | type II | type II | Typ II | tipo II | LKV13509 | 2 |
| | type III | type III | Typ III | tipo III | Golden Jaquar | 3 |
| | type IV | type IV | Typ IV | tipo IV | Caroline | 4 |
| | type V | type V | Typ V | tipo V | SOGO Fairyland | 5 |
| 86. | Lip: curvature of lateral lobe | Labelle: courbure du lobe latéral | Lippe: Biegung des Seitenlappens | Labio: curvatura del lóbulo lateral | | |
| (+) | | | | | | |
| PQ | (c) type I | type I | Typ I | tipo I | SOGO Fairyland | 1 |
| | type II | type II | Typ II | tipo II | Beaugard | 2 |
| | type III | type III | Typ III | tipo III | Snow Tiger | 3 |
| 87. | Lip: size of lateral lobe relative to apical lobe | Labelle: taille du lobe latéral par rapport au lobe apical | Lippe: Grösse des Seitenlappens im Verhältnis zum apikalen Lappen | Labio: tamaño del lóbulo lateral en relación con el lóbulo apical | | |
| QN | (c) smaller | plus petit | kleiner | más pequeño | Phaladadel | 3 |
| | equal | identique | gleich gross | del mismo tamaño | Puccini | 5 |
| | larger | plus grand | grösser | más grande | Hawaiien Dream | 7 |
| 88. | Apical lobe: base color | Lobe apicale: couleur de fond | Apikaler Lappen: Grundfarbe | Lóbulo apical: color de fondo | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 89. | Apical lobe: shading | Lobe apical: | Apikaler Lappen: | Lóbulo apical: | | |
| QL | (c) absent | absent | fehlend | ausente | Beaugard | 1 |
| | present | présent | vorhanden | presente | Green Star | 9 |
| 90. | Apical lobe: color of shade | Lobe apical: | Apikale Lappens: Farbe | Lóbulo apical: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

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|------------|--|---|---|--|--|---------------|
| 91. | Apical lobe: spots | Lobe apical: | Apikaler Lappen: Flecken | Lóbulo apical: | | |
| QL | (c) absent | absent | fehlend | ausente | Beaugard | 1 |
| | present | présent | vorhanden | presente | Symphony | 9 |
| 92. | Apical lobe: number of spots | Lobe apical: | Apikaler Lappen: Anzahl der Flecken | Lóbulo apical: | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 93. | Apical: size of spots | Sépale: | Kelchblatt: Grösse der Flecken | | | |
| QN | (c) small | petit | klein | pequeña | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | large | élevé | groß | grande | | 7 |
| 94. | Apical lobe: color of spots | Lobe apical: couleur | Apikale Lappens: Farbe der Flecken | Lóbulo apical: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 95. | Apical lobe: stripes | Lobe apical: | Apikaler Lappen: Streifen | Lóbulo apical: | | |
| QL | (c) absent | absent | fehlend | ausente | Beaugard | 1 |
| | present | présent | vorhanden | presente | SOGO Fairyland | 9 |
| 96. | Apical lobe: number of stripes | Lobe apical: | Apikale Lappens: Anzahl der Streifen | Lóbulo apical: | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 97. | Apical lobe: color of stripes | Lobe apical: couleur | Apikaler Lappen: Farbe der Streifen | Lóbulo apical: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

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|-------------|--|---|------------------------------------|--|--|---------------|
| 98. | Apical lobe: netting | Lobe apical: | Apikaler Lappen: | Lóbulo apical: | | |
| QL | (c) absent | absent | fehlend | ausente | Beaugard | 1 |
| | present | présent | vorhanden | presente | | 9 |
| 99. | Apical lobe: density of netting | Lobe apical: | Apikaler Lappen: | Lóbulo apical: | | |
| QN | (c) loose | | | | | 3 |
| | sparse | | | | | 5 |
| | dense | | | | | 7 |
| 100. | Apical lobe: color of netting | Lobe apical: couleur | Apikaler Lappen: Farbe | Lóbulo apical: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 101. | Lateral lobe: base color | Lobe apical: couleur de fond | Apikaler Lappen: Grundfarbe | Lóbulo apical: color de fondo | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 102. | Lateral lobe: shading | Lobe latéral: | Seitenlappen: | Lóbulo lateral: | | |
| QL | (c) absent | absent | fehlend | ausente | Mrs Brown | 1 |
| | present | présent | vorhanden | presente | Halcyon | 9 |
| 103. | Lateral lobe: color of shade | Lobe latéral: | Seitenlappen: Farbe | Lóbulo lateral: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 104. | Lateral lobe: spots | Lobe latéral: | Seitenlappen: Flecken | Lóbulo lateral: | | |
| QL | (c) absent | absent | fehlend | ausente | Mrs Brown | 1 |
| | present | présent | vorhanden | presente | Symphony | 9 |

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|-------------|--|---|--|--|--|---------------|
| 105. | Lateral lobe: number of spots | Lobe latéral: | Seitenlappen: Anzahl der Flecken | Lóbulo lateral: | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 106. | Lateral lobe: color of spots | Lobe latéral: couleur | Seitenlappen: Farbe der Flecken | Lóbulo lateral: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 107. | Lateral lobe: stripes | Lobe latéral: | Seitenlappen: Streifen | Lóbulo lateral: | | |
| QL | (c) absent | absent | fehlend | ausente | Mrs Brown | 1 |
| | present | présent | vorhanden | presente | Mary Ann | 9 |
| 108. | Lateral lobe: number of stripes | Lobe latéral: | Seitenlappen: Anzahl der Streifen | Lóbulo lateral: | | |
| QN | (c) few | faible | gering | bajo | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | | 7 |
| 109. | Lateral lobe: color of stripes | Lobe latéral: couleur | Seitenlappen: Farbe der Streifen | Lóbulo lateral: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 110. | Lateral lobe: netting | Lobe latéral: | Seitenlappen: | Lóbulo lateral: | | |
| QL | (c) absent | absente | fehlend | ausente | Mrs Brown | 1 |
| | present | présente | vorhanden | presente | SOGO Fairyland | 9 |
| 111. | Lateral lobe: density of netting | Lobe latéral: | Seitenlappen: | Lóbulo lateral: | | |
| QN | (c) sparse | | | | | 3 |
| | medium | | | | | 5 |
| | dense | | | | | 7 |

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|-------------|--|---|--------------------------------|--|--|---------------|
| 112. | Lateral lobe: color of netting | Lobe latéral: couleur | Seitenlappen: Farbe | Lóbulo lateral: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 113. | Lip: callus | Labelle: callus | Lippe: Kallus | Labio: callo | | |
| QL | (c) flat raised | plat | flach | plano | Mrs Brown, Phaladadel | 1 9 |
| 114. | Callus: color | Callus: couleur | Kallus: Farbe | Labio: | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 115. | Callus: pubescence | Callus: | Kallus: Behaarung | Labio: | | |
| QL | (c) absent present | absent présent | fehlend vorhanden | ausente presente | Mrs Brown, Phaladadel Zuma's Pixie 'Malibu' | 1 9 |
| 116. | Columna: color | Colonne: couleur | Säule: Farbe | Columna: color | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

8. Explanations on the Table of Characteristics

8.1 *Explanations covering several characteristics*

Characteristics containing the following key in the second column of the Table of Characteristics should be examined as indicated below:

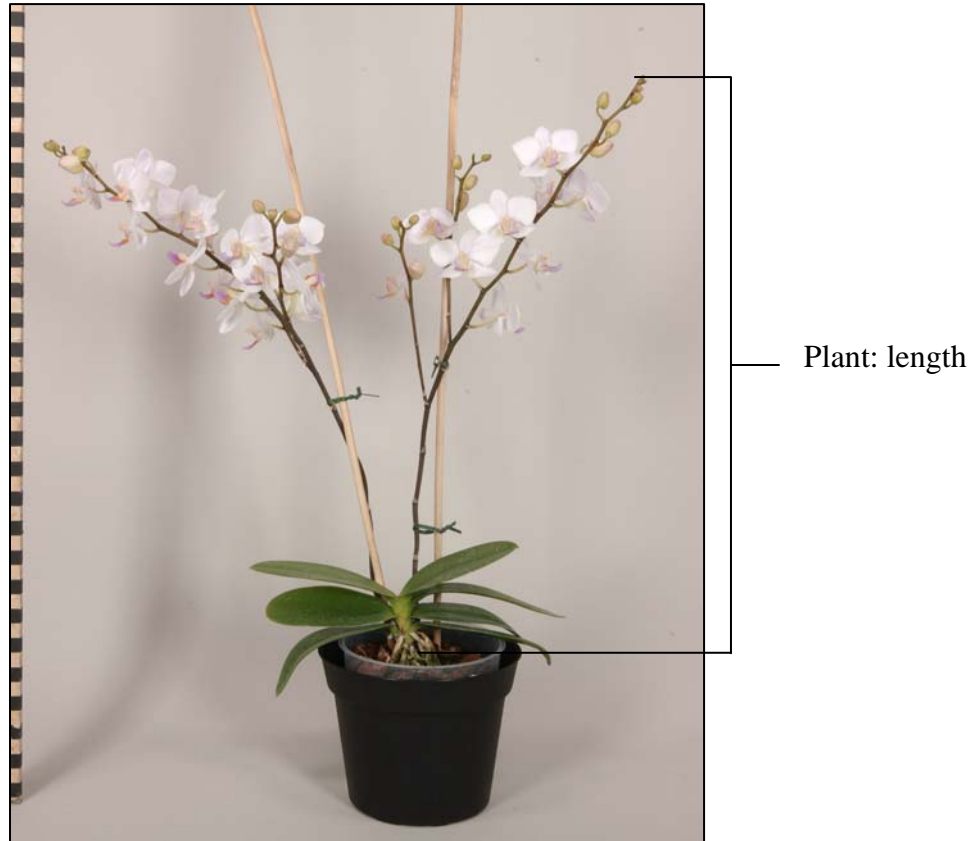
- (a) Observations on plant and stem should be made when 50 % of flowers have opened on the first inflorescence.
- (b) Observations on leaves should be made on the largest fully expanded leaf.
- (c) Observations on flowers should be made on fully expanded flowers when 50 % of flowers have opened.



8.2 *Explanations for individual characteristics*

Ad. 1: Plant: length

Plant length should be measured from soil level to the end of the plant including the flowers.



Ad. 5: Leaf: position of broadest part

To be provided

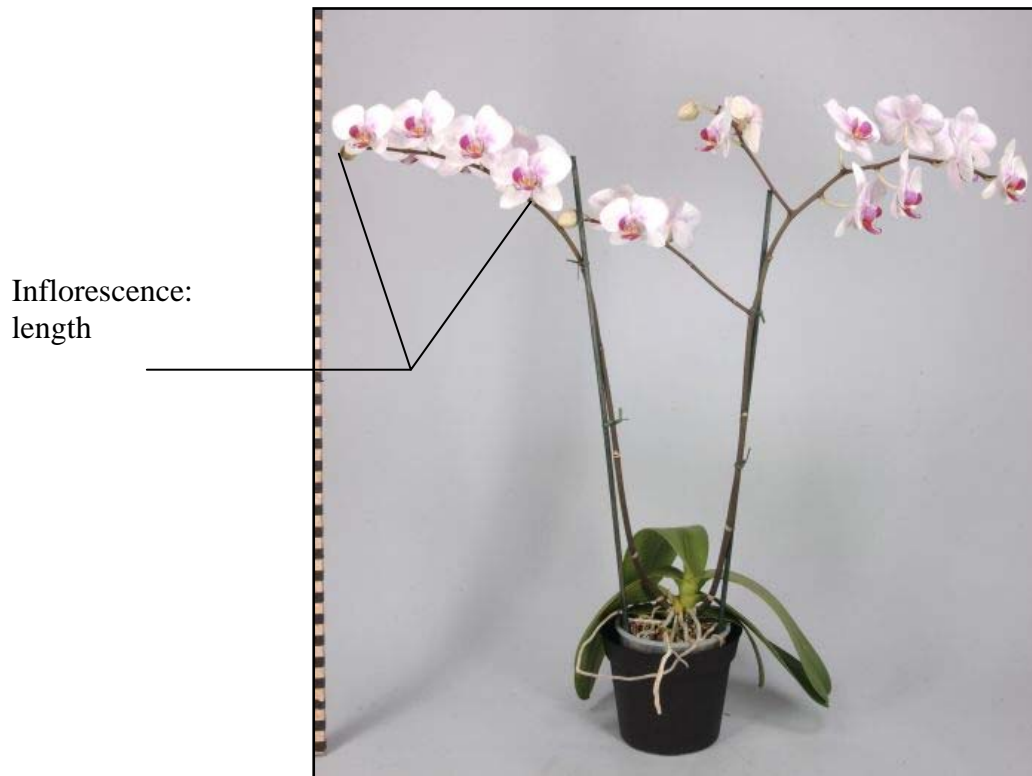
Ad. 6: Leaf: shape of apex

To be provided

Ad. 14: Inflorescence: type

To be provided

Ad. 15: Inflorescence: length



Ad. 16: Inflorescence: number of flowers (excluding varieties with Inflorescence: type: single flowered) (see 14)

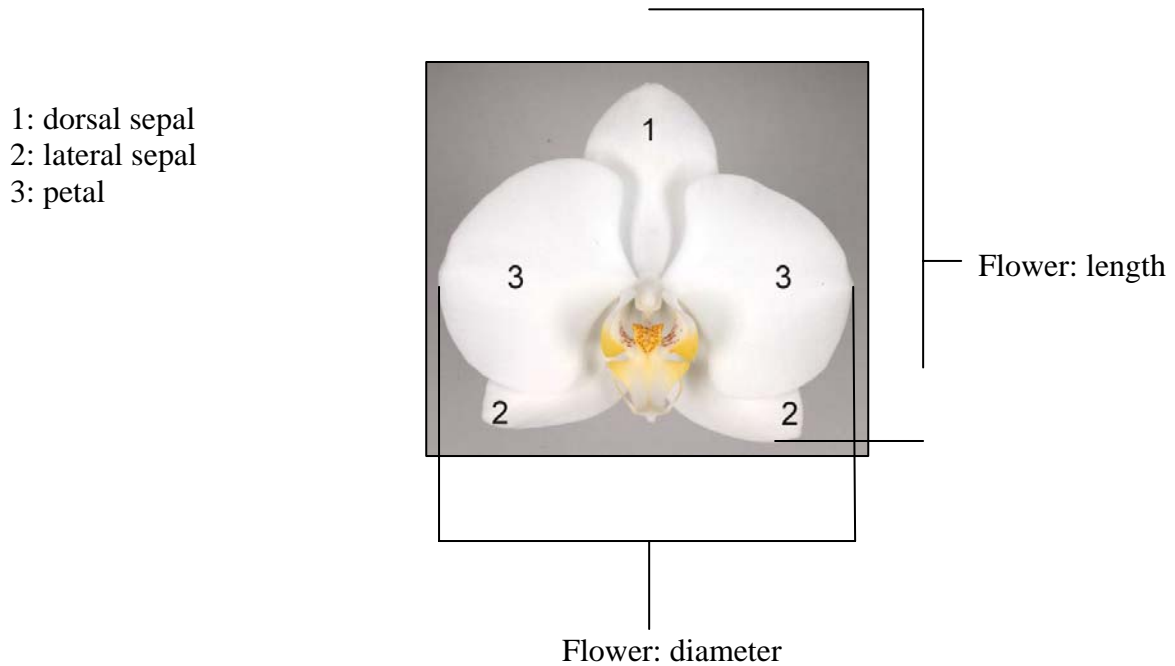
To be provided

Ad. 20: Flower: general appearance of sepals and petals

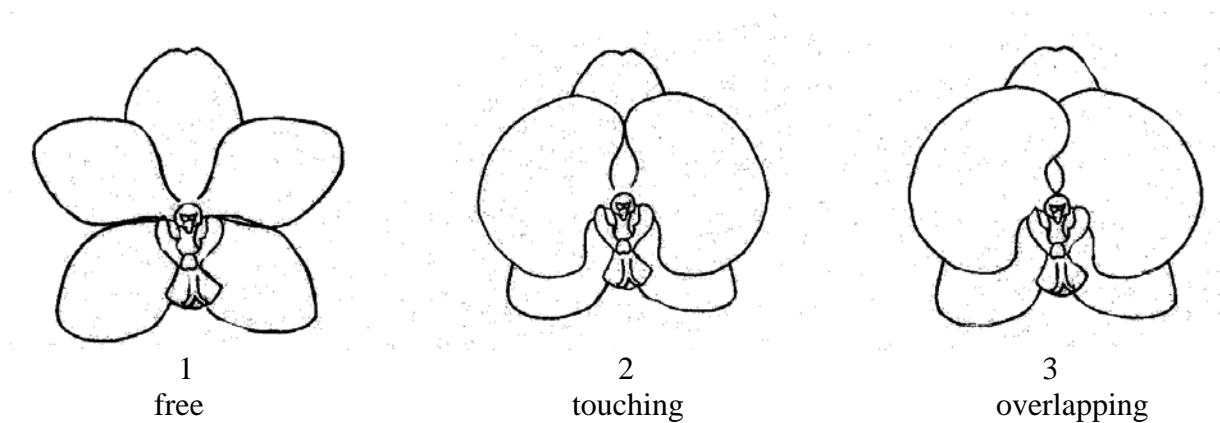
To be provided

Ad. 21: Flower length in front view

Ad. 22: Flower width in front view



Ad. 23: Flower: arrangement of petals



Ad. 33: Dorsal sepal: base color of upper side

Ad. 46: Lateral sepal: base color of upper side

Ad. 66: Petal: base color of upper side

Ad. 88: Apical lobe: base color

Ad. 101: Lateral lobe: base color

The base color is the color which is also on the lower surface.

Ad. 58: Petal: length

To be provided

Ad. 58: Petal: width

To be provided

Ad. 81: Lip: shape of apical lobe

To be provided

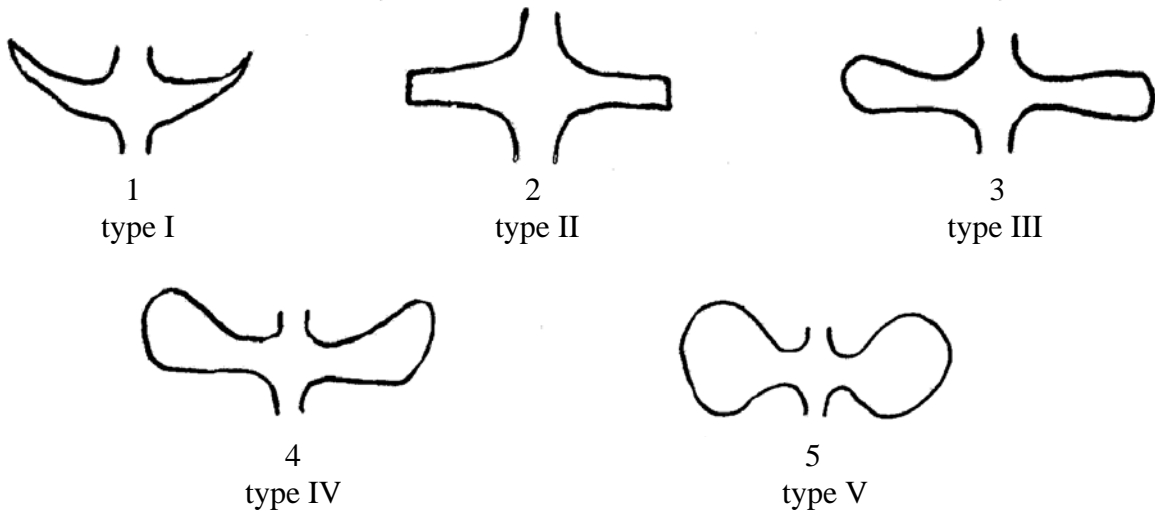
Ad. 82: Lip: whiskers

To be provided

Ad. 84: Lip: bump and ridge on apical lobe

To be provided

Ad. 85: Lip: shape of lateral lobe



Ad. 86: Lip: curvature of lateral lobe



1
type I



2
type II



3
type III

Ad. 86: Lip: curvature of lateral lobe

To be provided

Ad. 101: Lateral lobe: base color

To be provided

9. Literature

Pridgeon, A.: The Illustrated Encyclopedia of Orchids.

10. Technical Questionnaire

| | | |
|--|---|---|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
| | | Application date: (not to be filled in by the applicant) |
| TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights | | |
| 1. Subject of the Technical Questionnaire | | |
| 1.1 Genus | | |
| 1.1.1 <i>Latin Name</i> | <input type="text" value="Phalaenopsis Blume"/> | |
| 1.1.2 Common Name | <input type="text" value="Phalaenopsis"/> | |
| 1.2 Species (please complete) | | |
| 1.2.1 <i>Latin Name</i> | <input type="text"/> | |
| 1.2.2 Common Name | <input type="text"/> | |
| 2. Applicant | | |
| Name | <input type="text"/> | |
| Address | <input type="text"/> | |
| Telephone No. | <input type="text"/> | |
| Fax No. | <input type="text"/> | |
| E-mail address | <input type="text"/> | |
| Breeder (if different from applicant) | <input type="text"/> | |

| | | |
|-------------------------|-----------------|-------------------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|-------------------------|-----------------|-------------------|

3. Proposed denomination and breeder's reference

Proposed denomination
(if available)

Breeder's reference

#4. Information on the breeding scheme and propagation of the variety

4.1 Breeding Scheme

Variety resulting from:

4.1.1 Crossing

(a) controlled cross
(please state parent varieties)

(b) partially unknown cross
(please state known parent variety(ies))

(c) totally unknown cross

4.1.2 Mutation
(please state parent variety)

4.1.3 Discovery
(please state where, when and how developed)

4.1.4 Other
(please provide details)

4.2 Method of Propagating the Variety

(a) cuttings

(b) *in vitro* propagation

(c) other (state method)

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

| | | |
|-------------------------|-----------------|-------------------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|-------------------------|-----------------|-------------------|

5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).

| Characteristics | Example Varieties | Note |
|---|-------------------|------|
| 5.1 Plant: length (1) | | |
| short | | 3[] |
| medium | | 5[] |
| tall | | 7[] |
| 5.2 Leaf: variegation (9) | | |
| absent | | 1[] |
| present | | 9[] |
| 5.3 Flower: width in front view (22) | | |
| narrow | | 3[] |
| medium | | 5[] |
| broad | | 7[] |
| 5.4 Petal: base color of upper side (66) | | |
| white | | 1[] |
| yellow | | 2[] |
| green | | 3[] |
| orange | | 4[] |
| red | | 5[] |
| violet | | 6[] |
| purple red | | 7[] |
| purple | | 8[] |
| brown | | 9[] |

| | | |
|-------------------------|-----------------|-------------------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|-------------------------|-----------------|-------------------|

| Characteristics | Example Varieties | Note |
|-----------------------------------|-------------------|------|
| 5.5 Petal: shading (67) | | |
| absent | | 1[] |
| present | | 9[] |
| 5.6 Petal: spots (69) | | |
| absent | | 1[] |
| present | | 9[] |
| 5.7 Petal: stripes (73) | | |
| absent | | 1[] |
| present | | 9[] |
| 5.8 Petal: netting (76) | | |
| absent | | 1[] |
| present | | 9[] |

| | | |
|-------------------------|-----------------|-------------------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|-------------------------|-----------------|-------------------|

6. Similar varieties and differences from these varieties

Please use the following table and box for comments to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.

| Denomination(s) of variety(ies) similar to your candidate variety | Characteristic(s) in which your candidate variety differs from the similar variety(ies) | Describe the expression of the characteristic(s) for the similar variety(ies) | Describe the expression of the characteristic(s) for your candidate variety |
|---|---|--|--|
| <i>Example</i> | <i>Petal: base color of upper side</i> | <i>violet</i> | <i>red</i> |
| | | | |
| | | | |

Comments:

| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|---|-----------------|-------------------|
| <p>#7. Additional information which may help in the examination of the variety</p> <p>7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?</p> <p>Yes [] No []</p> <p>(If yes, please provide details)</p> <p>7.2 Special conditions for the examination of the variety</p> <p>7.2.1 Are there any special conditions for growing the variety or conducting the examination?</p> <p>Yes [] No []</p> <p>7.2.2 If yes, please give details:</p> <p>7.3 Other information</p> <p>A representative color photograph of the variety should accompany the Technical Questionnaire.</p> | | |
| <p>8. Authorization for release</p> <p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?</p> <p>Yes [] No []</p> <p>(b) Has such authorization been obtained?</p> <p>Yes [] No []</p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p> | | |

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

| | | |
|-------------------------|-----------------|-------------------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|-------------------------|-----------------|-------------------|

9. Information on plant material to be examined or submitted for examination.

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

- | | | |
|---|---------|--------|
| (a) Microorganisms (e.g. virus, bacteria, phytoplasma) | Yes [] | No [] |
| (b) Chemical treatment (e.g. growth retardant, pesticide) | Yes [] | No [] |
| (c) Tissue culture | Yes [] | No [] |
| (d) Other factors | Yes [] | No [] |

Please provide details for where you have indicated "yes".

.....

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

| | | | |
|------------------|----------------------|------|----------------------|
| Applicant's name | <input type="text"/> | | |
| Signature | <input type="text"/> | Date | <input type="text"/> |

[End of document]