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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

PHALAENOPSIS

UPOV Code: PHALE

Phalaenopsis Blume

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from the Netherlands

to be considered by the

Technical Working Party for Ornamental Plants and Forest Trees
at its forty-fifth session, to be held in Jeju, Republic of Korea, from August 6 to 10, 2012

Alternative Names:*

Botanical name	*English*	*French*	*German*	*Spanish*
Phalaenopsis Blume	Moth Orchid	Orchidée papillon	Phalaenopsis, Schmetterlingsorchidee	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.

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 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 Number of Growing Cycles

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

3.2 Testing Place

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 “Examining Distinctness”.

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. The color chart and version used should be specified in the variety description.

3.4 Test Design

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

3.4.2 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.

3.5 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.

4.1.4 Number of Plants / Parts of Plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants.

4.1.5 Method of Observation

The recommended method of observing the characteristic for the purposes of distinctness is indicated by the following key in the second column of the Table of Characteristics (see document TGP/9 “Examining Distinctness”, Section 4 “Observation of characteristics”):

MG: single measurement of a group of plants or parts of plants
MS: measurement of a number of individual plants or parts of plants
VG: visual assessment by a single observation of a group of plants or parts of plants
VS: visual assessment by observation of individual plants or parts of plants

Type of observation: visual (V) or measurement (M)

“Visual” observation (V) is an observation made on the basis of the expert’s judgment. For the purposes of this document, “visual” observation refers to the sensory observations of the experts and, therefore, also includes smell, taste and touch. Visual observation includes observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or non-linear charts (e.g. color charts). Measurement (M) is an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.

Type of record: for a group of plants (G) or for single, individual plants (S)

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, “G” provides a single record per variety and it is not possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness.”

In cases where more than one method of observing the characteristic is indicated in the Table of Characteristics (e.g. VG/MG), guidance on selecting an appropriate method is provided in document TGP/9, Section 4.2.

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 9 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 further examined 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 initial 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 are 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 10)
(c) Leaf: spots on upper side (characteristic 11)
(d) Flower: width in front view (characteristic 22)
(e) Petal: ground color of upper side (characteristic 58) 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: over color (if present) (characteristic 59) with the following groups
Gr. 1: yellow
Gr. 2: green
Gr. 3: orange
Gr. 4: red
Gr. 5: violet
Gr. 6: purple red
Gr. 7: purple
Gr. 8: brown
(g) Petal: number of spots (characteristic 61)

(h) Petal: number of stripes (characteristic 64)
(i) Petal: density of netting (characterestic 66)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction and document TGP/9 “Examining Distinctness”.

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

6.2.1 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.

6.2.2 In the case of qualitative and pseudo-qualitative characteristics (see Chapter 6.3), all relevant states of expression are presented in the characteristic. However, in the case of quantitative characteristics with 5 or more states, an abbreviated scale may be used to minimize the size of the Table of Characteristics. For example, in the case of a quantitative characteristic with 9 states, the presentation of states of expression in the Test Guidelines may be abbreviated as follows:

State	Note
small	3
medium	5
large	7

However, it should be noted that all of the following 9 states of expression exist to describe varieties and should be used as appropriate:

State	Note
very small	1
very small to small	2
small	3
small to medium	4
medium	5
medium to large	6
large	7
large to very large	8
very large	9

6.2.3 Further explanation of the presentation of states of expression and notes is provided in document TGP/7 “Development of Test Guidelines”.

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 Chapter 6.1.2
QL	Qualitative characteristic	– see Chapter 6.3
QN	Quantitative characteristic	– see Chapter 6.3
PQ	Pseudo-qualitative characteristic	– see Chapter 6.3
MG, MS, VG, VS		– see Chapter 4.1.5
(a)-(c)	See Explanations on the Table of Characteristics in Chapter 8.1	
(+)	See Explanations on the Table of Characteristics in Chapter 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. **(*)** **(+)**	**VG/ MG/ MS**	**Plant: length**	**Plante: longueur**	**Pflanze: Lange**	**Planta: longitud**		
QN	**(a)**	short	courte	niedrig	baja	Phalboezeq	3
		medium	moyenne	mittel	media	Phalpnizok, Red Eye	5
		long	longue	lang	larga	Figaro, Puccini	7
2. **(*)**	**VG/ MG/ MS**	**Plant: number of inflorescences**	**Inflorescence: nombre**	**Blütenstand: Anzahl**	**Inflorescencia:**		
QN	**(a)**	one		ein		T-Rex	1
		one or two		eins oder zwei			2
		two		zwei		Mathilde	3
		two or three		zwei oder drei			4
		three		drei		SIO0020	5
		more than three		mehr wie drei		Phalbuwak	6
3.	**VG/ MG/ MS**	**Leaf: length**	**Feuille: longueur**	**Blatt: Länge**	**Hoja: longitud**		
QN	**(a)**	short	courte	niedrig	baja	Phalbexi, SOGO F1384, Taida Black Leopard	3
	(b)	medium	moyenne	mittel	media	Puccini, Zhen Yu 5707	5
		long	longue	lang	larga	Corneille	7
4.	**VG/ MG/ MS**	**Leaf: width**	**Feuille: largeur**	**Blatt: Breite**	**Hoja: anchura**		
QN	**(a)**	narrow	étroite	schmal	estrecha	SOGO Fairyland	3
	(b)	medium	moyenne	mittel	media	Mrs Brown, SOGO F-1442	5
		broad	large	breit	ancha	Moonwalker	7
5. **(+)**	**VG**	**Leaf: ratio length/width**	**Feuille: rapport longueur/largeur**	**Blatt: Verhältnis Länge/Breite**	**Hoja: relación longitud/anchura**		
QN	**(a)**	slightly elongated				SOGO F2006	1
	(b)	moderately elongated				Phalmache	2
		very elongated					3
6. **(+)**	**VG**	**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)**	towards base					1
	(b)	at middle				Aïda	2
		towards apex				Lollypop, Trivium	3

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
7. **(+)**	**VG**	**Leaf: shape of apex**	**Feuille: forme du sommet**	**Blatt: Form der Spitze**	**Hoja: forma del ápice**		
PQ	**(a)**	acute	aigu	spitz	agudo	SOGO Fairyland, SOGO F-1016	1
	(b)	obtuse	obtus	stumpf	obtuso	An Ching Green Apple, Mrs Brown,	2
		emarginate	émarginé	eingekerbt	emarginado	Fire Fox, Happy Sheena Kirara'	3
8.	**VG**	**Leaf: symmetry of apex**	**Feuille: symétrie du sommet**	**Blatt: Symmetrie der spitze**	**Hoja: simetría del ápice**		
QN	**(a)**	symetric or slightly asymmetric				Symphony	1
	(b)	moderately asymmetric				SOGO Fairyland, SOGO F-688	2
		strongly asymmetric					3
9.	**VG**	**Leaf: attitude**	**Feuille: port**	**Blatt: Haltung**	**Hoja: porte**		
QN	**(a)**	semi-erect	demi dressée	halbaufrecht	semierecta	Phalbnizok, SOGO Yukidan,v3'	3
	(b)	horizontal	horizontale	waagerecht	horizontal	Pink Butterfly, Symphony	5
		semi-drooping				Moonwalker, N16', Tai Lin Lady	7
10. **(*)**	**VG**	**Leaf: variegation**					
QL	**(a)**	absent				Symphony	1
	(b)	present				SOGO F2806	9
11. **(*)**	**VG**	**Leaf: spots on upper side**	**Feuille:**	**Blatt: Flecken**			
QL	**(a)**	absent	absente	fehlend	ausente	SOGO Fairyland, Sunrise Beautiful Girl	1
	(b)	present	présente	vorhanden	presente	Phalnasxu, SOGO F-1320	9
12. **(+)**	**VG**	**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
	(b)	light green	vert claire	hellgrün	verde claro	King Car Hebe, Vivaldi	2
		medium green	vert moyen	mittelgrün	verde medio	Symphony, Torce N92	3
		dark green	vert foncé	dunkelgrün	verde oscuro	Puccini	4

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
13.	**VG**	**Leaf: anthocyanin coloration of upperside**	**Feuille: pigmentation anthocyanique de la face supérieure**				
QN	**(a)**	absent or very weak	absente or faible			Mrs Brown	1
	(b)	weak	faible			Phalcoqeo	3
		medium	moyenne			Memories	5
		strong	forte			Phalaguc	7
		very strong	tres forte				9
14. **(*)** **(+)**	**VG**	**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. **(+)**	**VG/ MG/ MS**	**Inflorescence: length of flowering part**					
QN	**(a)**	short				Mrs Brown	3
		medium				Puccini	5
		long				Pinnacle	7
16.	**VG/ MG/ MS**	**<u>Excluding varieties with inflorescence type: single flowered:</u> Inflorescence: number of flowers**					
QN	**(a)**	few				Puccini	3
		medium				Alabaster	5
		many				SOGO Fairyland	7
17.	**VG/ MG/ MS**	**Peduncle: length**	**Pédoncule: longueur**	**Blumenstiel: Länge**	**Pedúnculo: longitud**		
QN	**(a)**	short	courte	kurz	corta	SOGO F1567	3
		medium	moyen	mittel	media	Phaltulen, SOGO F-2451	5
		long	longue	lang	larga	Puccini	7
18. **(+)**	**VG/ MG/ MS**	**Peduncle: thickness**					
QN	**(a)**	thin				Phaladadel	1
		medium				Moonwalker	2
		thick				Queen of Hearts	3
19.	**VG**	**Peduncle: anthocyanin coloration**	**Pédonculo: pigmentation anthocyanique**	**Blütenstiel: Anthocyanfärbung**	**Pedúnculo: pigmentatión antociánica**		
QL	**(a)**	absent	absente	fehlend	ausente	Phaltulen	1
		present	présente	vorhanden	presente	Mrs Brown	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
20.	**VG**	**Flower: shape in profile**	**Fleur:**	**Blüte:**	**Flor:**		
(+)							
PQ	**(c)**	concave	incurvés	aufgebogen	curvados hacia arriba	SOGO Fairyland	1
		flat				Phalboezeq	2
		convex	réfléchis	zurückgebogen	curvados hacia abajo	Mrs Brown	3
21. **(*)** **(+)**	**VG/ MG/ MS**	**Flower: length in front view**	**Fleur: longueur en vue de face**	**Blüte: Länge in der Voransicht**	**Flor: longitud en vista frontal**		
QN	**(c)**	very short					1
		short	courte	kurz	corta	Mrs. Brown	3
		medium	moyen	mittel	media	Phaladadel	5
		long	longue	lang	larga	Phalbobol	7
		very long				Cygnus Renaissance	9
22. **(*)** **(+)**	**VG/ MG/ MS**	**Flower: width in front view**	**Fleur: largeur en vue de face**	**Blüte: Breite in der Voransicht**	**Flor: anchura en vista frontal**		
QN	**(c)**	very narrow					1
		narrow	étroite	schmal	estrecha	Mrs Brown	3
		medium	moyenne	mittel	media	Beauty Sheena Rin Rin	5
		broad	large	breit	ancha	Phaladadel	7
		very broad				Cygnus Renaissance	9
23. **(+)**	**VG**	**Flower: arrangement of petals**	**Fleur: disposition de pétales**	**Blüte: Position der Blütenblätter**	**Flor: disposición de los pétalos**		
QN	**(c)**	free		frei		Fire Fox, SOGO Fairyland	1
		touching	tangents	sich berührend	tocándose	Paloma	2
		overlapping	chevauchants	überlappend	tocándose	Halcyon, Tai Lin Lady ‚N16'	3
24.	**VG**	**Flower: fragrance**	**Fleur: parfum**	**Blüte: Duft**	**Flor: fragrancia**		
QN	**(c)**	absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Lih Jiang Diamond, SOGO Fairyland	1
		moderate					2
		strong				Sun Passat	3
25.	**VG/ MG/ MS**	**Dorsal sepal: length**					
QN	**(c)**	short				Green Star	3
		medium				Ever Spring Prince ‚75', Phaladadel	5
		long				Hawaiien Dream, Torce N92	7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
26.	**VG/ MG/ MS**	**Dorsal sepal: width**					
QN	**(c)**	narrow				Green Star	3
		medium				Happy Days, SOGO F-977	5
		broad				Paloma, Red Rose	7
27.	**VG**	**Dorsal sepal: ratio length/width**	**Sépale: rapport longueur/largeur**	**Kelchblatt: Verhältnis Länge/Breite**	**Sépalo: relación longitud/anchura**		
QN	**(c)**	moderately compressed				Starbust	3
		medium	moyen	mittel	media	Taisuco Anna	5
		moderately elongated				Phalciny	7
28.	**VG**	**Dorsal sepal: position of broadest part**					
QN	**(c)**	towards base				Heavenly	1
		at middle				Phalbipxip	2
		towards apex				Santa Clara	3
29. **(+)**	**VG**	**Dorsal sepal: curvature of longitudinal axis**					
QN	**(c)**	incurving				Cuckoo, SOGO F-1016	1
		straight				Mrs Brown, SOGO F-728	2
		recurving				Paloma, Red Rose	3
30. **(+)**	**VG**	**Dorsal sepal: shape in cross section**					
QN	**(c)**	concave				SOGO Fairyland, SOGO F-1016	1
		straight				Hawaiien Dream, SOGO F-728	2
		convex				Moonwalker, Red Rose	3
31.	**VG**	**Dorsal sepal: twisting**					
QL	**(c)**	absent				Red Pearl, SOGO Fairyland	1
		present					9
32.	**VG**	**Dorsal sepal: undulation of margin**					
QN	**(c)**	absent or weak				Color Butterfly, Phaladadel	1
		moderate				Miss Saigon	2
		strong					3
33. **(*)** **(+)**	**VG**	**Dorsal sepal: ground color of upper side**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
34. **(*)** **(+)**	**VG**	**Dorsal sepal: over color (if present)**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
35. **(*)**	**VG**	**Dorsal sepal: number of spots**					
QN	**(c)**	none				Florina	1
		few				Paraheet	3
		medium				Pebble Beach	5
		many				PROV503GF	7
36.	**VG**	**Dorsal sepal: size of spots**					
QN	**(c)**	small				Phalelbe	3
		medium				Victory Song	5
		large				Troubadour	7
37.	**VG**	**Dorsal sepal: color of spots**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
38. **(*)**	**VG**	**Dorsal sepal: number of stripes**					
QN	**(c)**	none				Florina	1
		few					3
		medium				Phalopixo	5
		many				Taida Little Zebra	7
39.	**VG**	**Dorsal sepal: color of stripes**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
40. **(*)**	**VG**	**Dorsal sepal: density of netting**					
QN	**(c)**	none				Florina	1
		sparse				Vallier	3
		medium				Phalpnizok	5
		dense				Happy Days	7
41.	**VG**	**Dorsal sepal: color of netting**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
42. **(+)**	**VG**	**Lateral sepal: ground color of upper side**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
43. **(+)**	**VG**	**Lateral sepal: over color (if present)**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
44.	**VG**	**Lateral sepal: number of spots**					
QN	**(c)**	none				Florina	1
		few				Pacific Point	3
		medium				Feeling Groovy	5
		many				Phalborbol	7
45.	**VG**	**Lateral sepal: color of spots**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
46.	**VG**	**Lateral sepal: number of stripes**					
QN	**(c)**	none				Florina	1
		few				Phalbembu	3
		medium				Phalalodu	5
		many				Taida Little Zebra	7
47.	**VG**	**Lateral sepal: color of stripes**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
48.	**VG**	**Lateral sepal: density of netting**					
QN	**(c)**	none				Florina	1
		sparse					3
		medium				122530	5
		dense				SIO0021	7
49.	**VG**	**Lateral sepal: color of netting**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
50. (*)	**VG/ MG/ MS**	**Petal: length**	**Pétale: longueur**	**Blütenblatt: Länge**	**Pétalo: longitude**		
QN	**(c)**	short	courte	kurz	corta	Color Butterfly, SOGO Fairyland	3
		medium	moyen	mittel	media	Phaladadel	5
		long	longue	lang	larga	Paloma	7
51. (*)	**VG/ MG/ MS**	**Petal: width**	**Pétale: largeur**	**Blütenblatt: Breite**	**Pétalo: anchura**		
QN	**(c)**	narrow	étroite	schmal	estrecha	Mrs Brown, SOGO F-2451	3
		medium	moyenne	mittel	media	Puccini, SOGO F-982	5
		broad	large	breit	ancha	Paloma	7
52.	**VG**	**Petal: ratio length/width**	**Pétale: rapport longueur/largeur**	**Blütenblatt: Verhältnis Länge/Breite**	**Pétalo: relación longitud/anchura**		
QN	**(c)**	moderately compressed				Asian Queen	3
		medium				Phalucops	5
		moderately elongated				Phaljelow	7
53. (*)	**VG**	**Petal: position of broadest part**	**Pétale: position de la partie la plus large**	**Blutenblatt: Position der breitesten Stelle**	**Pétalo: posición de la parte más ancha**		
QN	**(b)**	towards base				Phalcamyl	1
		at middle				Phalnasxu	2
		towards apex				Aïda	3
54. (+)	**VG**	**Petal: curvature of longitudinal axis**	**Pétale: courbure de l'axe longitudinal**	**Blütenblatt: Biegung der Längsachse**	**Pétalo: curvatura del eje longitudinal**		
QN	**(c)**	incurving	incurvés	aufgebogen	curvados hacia arriba	SOGO Fairyland, SOGO F-1016	1
		straight				Mrs Brown, SOGO F-2451	2
		recurving	retombant	zurückgebogen	curvados hacia abajo	Sun Passat	3
55. (+)	**VG**	**Petal: shape in cross section**	**Pétale: section transversale**	**Blütenblatt: Querschnitt**	**Pétalo: corto transversal**		
QN	**(c)**	concave	concave	konkav	cóncavo	Figaro, SOGO F-1016	1
		flat				Green Star, SOGO F-2451	2
		convex	convexe	konvex	convexo	Puccini	3
56.	**VG**	**Petal: twisting**	**Pétale: torsion**	**Blütenblatt: Drehung**	**Pétalo: torsión**		
QL	**(c)**	absent	absente	fehlend	ausente	Mrs Brown	1
		present	présente	vorhanden	presente		9
57.	**VG**	**Petal: undulation of margin**	**Pétale: ondulation du bord**	**Blutenblatt: Randwellung**	**Pétalo: ondulación del margen**		
QN	**(c)**	absent or weak				Phaladadel, SOGO F-1320	1
		moderate				Puccini	2
		strong					3

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
58. **(*)** **(+)**	**VG**	**Petal: ground 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)		
59. **(*)** **(+)**	**VG**	**Petal: over color (if present)**	**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)		
60.	**VG**	**Petal: area of over color**					
(+)							
QN	**(c)**	small				Fushengs Glad Lip Tenshi No Hoho	3
		medium				Phalbiqam	5
		large				Pink Honeysplash	7
61. **(*)**	**VG**	**Petal: number of spots**	**Pétale:**	**Blutenblatt: Anzahl der Flecken**			
QN	**(c)**	none				Florina	1
		few	faible	gering	bajo	P 132	3
		medium	moyen	mittel	media		5
		many	élevé	gross	alto	Phalborudo	7
62.	**VG**	**Petal: size of spots**					
QN	**(c)**	small					3
		medium				Phaloqzu	5
		large				Troubadour	7
63.	**VG**	**Petal: color of spots**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
64. **(*)**	**VG**	**Petal: number of stripes**					
QN	**(c)**	none				Florina	1
		few					3
		medium				Phaljelow	5
		many				Firelight	7
65.	**VG**	**Petal: color of stripes**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
66. (*)	**VG**	**Petal: density of netting**					
QN	**(c)**	none				Florina	1
		sparse				Vallier	3
		medium				Phalpnizok	5
		dense				Happy Days	7
67.	**VG**	**Petal: color of netting**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
68.	**VG/ MG/ MS**	**Lip: length of apical lobe**	**Labelle: longueur du lobe apical**	**Lippe: Länge des apikalen Lappens**			
QN	**(c)**	short	courte	kurz	corta	Mrs Brown	3
		medium	moyen	mittel	media	Puccini, Red Rose	5
		long	longue	lang	larga		7
69.	**VG/ MG/ MS**	**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
70. (+)	**VG**	**Lip: shape of apical lobe**	**Labelle: forme du lobe apical**	**Lippe: Form des apikalen Lappens**	**Labio: fórma del lóbulo apical**		
PQ	**(c)**	triangular				Paloma	1
		ovate	ovale	eiförmig	oval	Puccini	2
		trullate					3
		elliptic	elliptique	elliptisch	elíptica		4
		rhombic	losangique	rautenförmig	rómbica	Green Star	5
		circular				Phalnasxu	6
		obovate	obovale	verkehrt eiförmig	oboval	SOGO F-2451, Symphony	7
		obtriangular				Hacyon	8
71. (*) (+)	**VG**	**Lip: whiskers**	**Labelle: cirres**	**Lippe: Haaren**	**Labio: patillas**		
QL	**(c)**	absent	absente	fehlend	ausente	Moonwalker, SOGO F-1016	1
		present	présente	vorhanden	presente	Phalmomen	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
72.	**VG/ MG/ MS**	**Lip: length of whiskers**	**Labelle: logueur du cirres**	**Lippe: Länge des Haaren**	**Labio:**		
QN	**(c)**	short	courte	kurz	corta	Green Star, SOGO F-982	3
		medium	moyen	mittel	media	Cuckoo, SOGO F-1302	5
		long	longue	lang	larga	Jiang Firebird, Snow Tiger	7
73. **(+)**	**VG**	**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**		
QN	**(c)**	absent or small				SOGO F1567, Torce N92	1
		medium					2
		large				Mrs Brown, SOGO F-1016	3
74. **(+)**	**VG**	**Lip: shape of lateral lobe**	**Labelle: type de forme du lobe latéral**	**Lippe: Type der Form des Seitenlappens**	**Labio: tipo de forma del lóbulo lateral**		
PQ	**(c)**	type I	type I	Typ I	tipo I	SOGO F-728	1
		type II	type II	Typ II	tipo II	Amy Lee, 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, Torce N92	5
75. **(+)**	**VG**	**Lip: curvature of lateral lobe**	**Labelle: type de courbure du lobe latéral**	**Lippe: Type der Biegung des Seitenlappens**	**Labio: tipo de curvatura del lóbulo lateral**		
QN	**(c)**	weak				SOGO Fairyland, SOGO F-1016	1
		medium				Beaugard	2
		strong				Snow Tiger	3
76.	**VG**	**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, SOGO F-1016	3
		equal	identique	gleich gross	del mismo tamaño	Puccini, SOGO F-1016	5
		larger	plus grand	grösser	más grande	Hawaiien Dream, Ruey Hih Beauty	7
77. **(*)** **(+)**		**Apical lobe: ground color**	**Lobe apicale: couleur principale**	**Apikalen lappens: Hauptfarbe**	**Lóbulo apical: 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)		
78. **(+)**	**VG**	**Apical lobe: over color (if present)**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
79. (*)	**VG**	**Apical lobe: number of spots**					
QN	**(c)**	none				SIO0037	1
		few					2
		medium				Margarita	3
		many				PROV501GF	4
80.	**VG**	**Apical lobe: size of spots**					
QN	**(c)**	small				Phalelbe	3
		medium				PROV501GF	5
		large					7
81.	**VG**	**Apical lobe: color of spots**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
82. (*)	**VG**	**Apical lobe: number of stripes**					
QN	**(c)**	none				SIO0037	1
		few				Taida Little Zebra	2
		medium				Phalbipxip	3
		many					4
83.	**VG**	**Apical lobe: color of stripes**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
84. (*)	**VG**	**Apical lobe: density of netting**					
QN	**(c)**	none					1
		loose				Lollypop	2
		sparse					3
		dense					4
85.	**VG**	**Apical lobe: color of netting**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
86. (*) (+)	**VG**	**Lateral lobe: ground color**	**Lobe apicale: couleur principale**	**Apikalen lappens: Hauptfarbe**	**Lóbulo apical: 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)		

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
87.	**VG**	**Lateral lobe: over color (if present)**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
88. (*)	**VG**	**Lateral lobe: number of spots**					
QN	**(c)**	none				Baby Seal	1
		few				Margarita	2
		medium				PROV501GF	3
		many				Phalborbol	4
89.	**VG**	**Lateral lobe: color of spots**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
90. (*)	**VG**	**Lateral lobe: number of stripes**					
QN	**(c)**	none				Good Times	1
		few				Sea Breeze	2
		medium				Phalbapfoz	3
		many					4
91.	**VG**	**Lateral lobe: color of stripes**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
92. (*)	**VG**	**Lateral lobe: density of netting**					
QN	**(c)**	none				PROVO005GF	1
		sparse				SOGO F842	2
		medium				PROVO002GF	3
		dense				121821	4
93.	**VG**	**Lateral lobe: color of netting**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
94.	**VG**	**Lip: callus**	**Labelle: callus**	**Lippe: Kallus**	**Labio: callo**		
QN	**(c)**	flat or slightly raised	plat	flach	plano	Stage Girl	1
		moderately raised				PROV507GF	2
		strongly raised				Mrs Brown	3

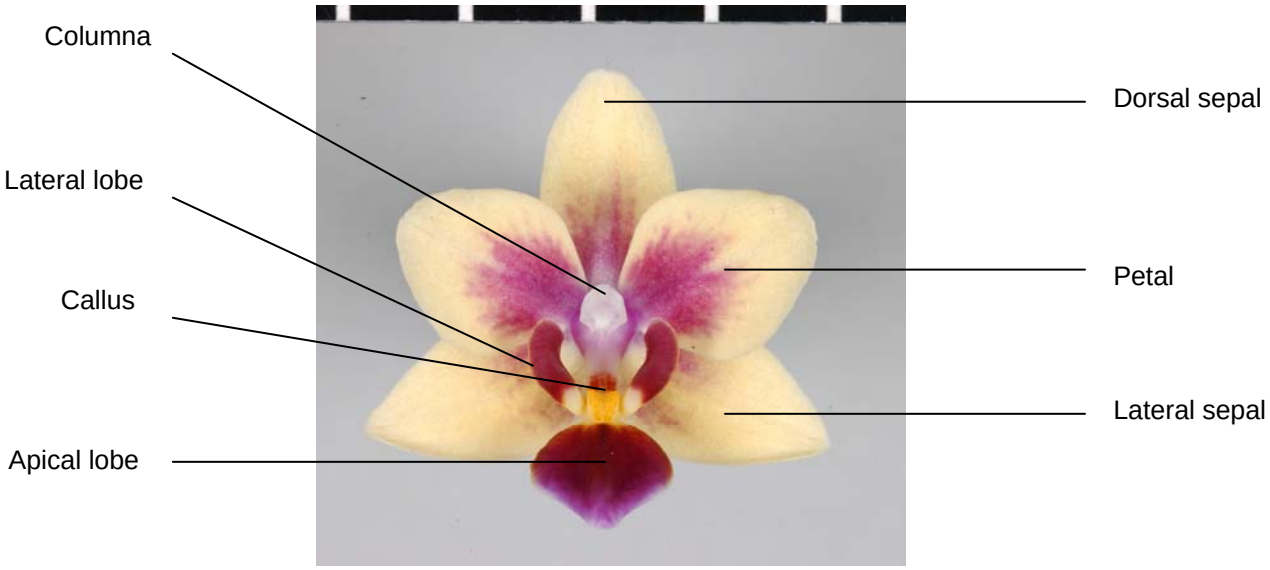
		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
95.	**VG**	**Callus: color**	**Callus: couleur**	**Kallus: Farbe**			
PQ	**(c)**	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)			
96.	**VG**	**Callus: pubescence**					
QL	**(c)**	absent				Mrs Brown	1
		present				Zuma's Pixie 'Malibu'	9
97.	**VG**	**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:

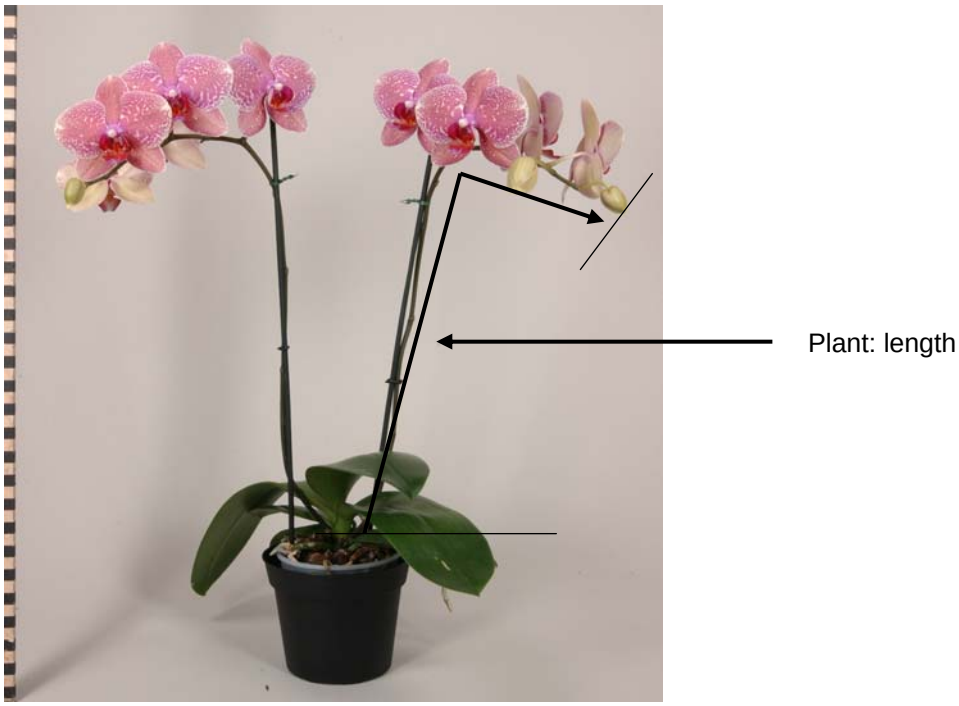
(a) Observations on the plant and the stem should be made when 50 % of flowers have opened on the first inflorescence.
(b) Observations on the leaves should be made on the largest fully expanded leaf.
(c) Observations on the flowers should be made on fully expanded flowers when 50 % of the flowers have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



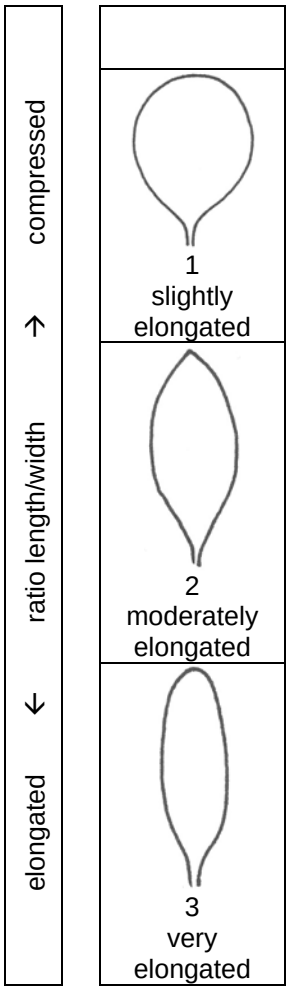
8.2 Explanations for individual characteristics

Ad. 1: Plant: length

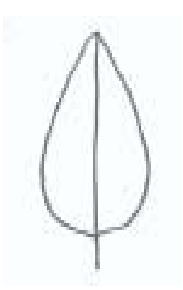
Plant length should be measured from soil level to the end of the plant including the flowers.



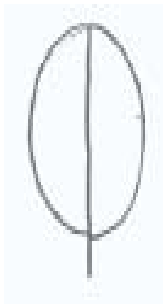
Ad. 5: Leaf: ratio length/width



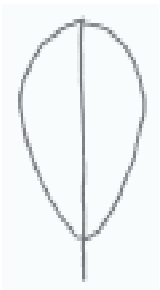
Ad. 6: Leaf: position of broadest part



towards base
1



at middle
2



towards apex
3

Ad. 7: Leaf: shape of apex

1
acute

2
obtuse

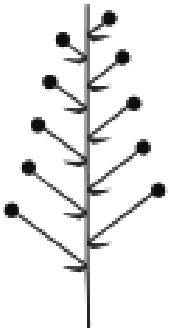
3
emarginate

Ad. 12: Leaf: main color of upper side

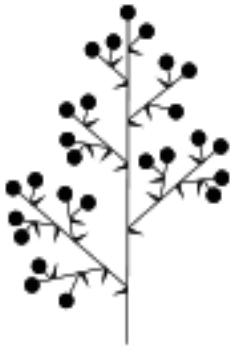
The main color is the color with the largest total surface area, the secondary color (if present) is the color with the second largest total surface area. In case of when none of the colors is clearly predominant then the darkest color will be the main color.

Ad. 14: Inflorescence type

1
single flowered

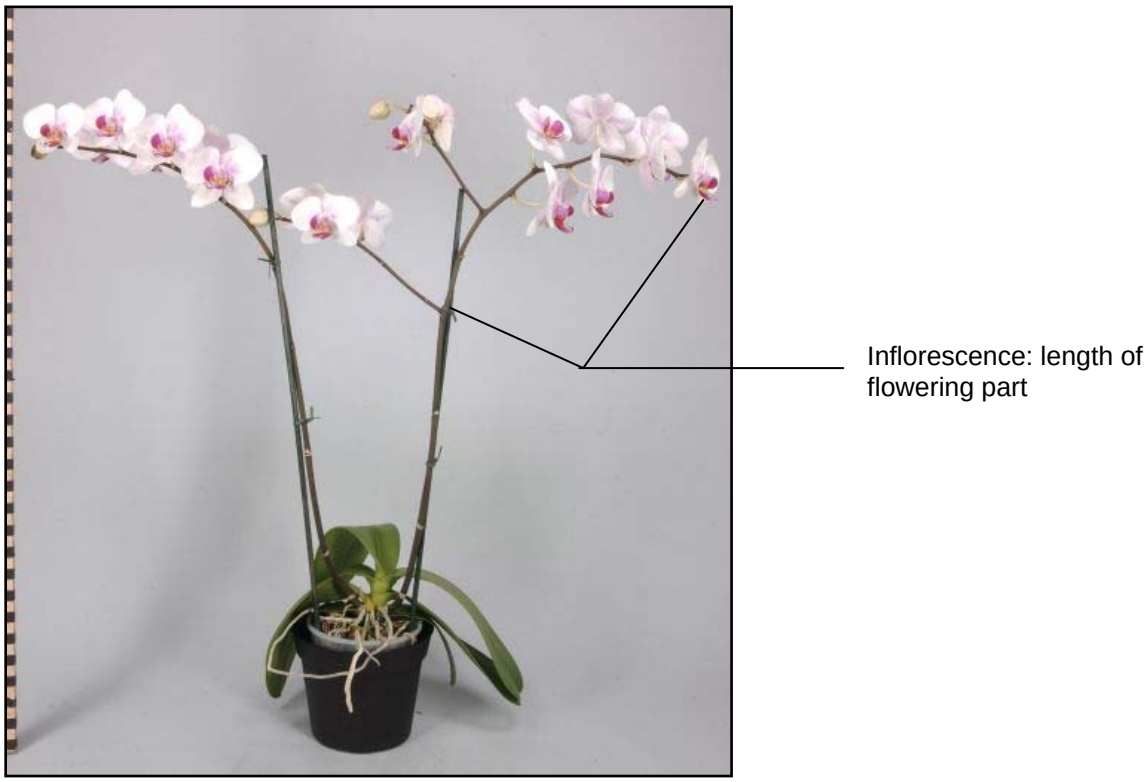


2
raceme



3
panicle

Ad. 15: Inflorescence: length of flowering part

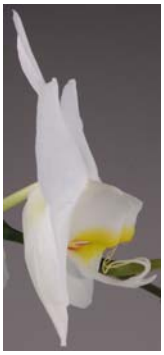


Ad. 18: Peduncle: thickness

The thickness of the peduncle must be measured in the middle of the lower third of the peduncle.

Ad. 20: Flower: shape in profile

1
concave

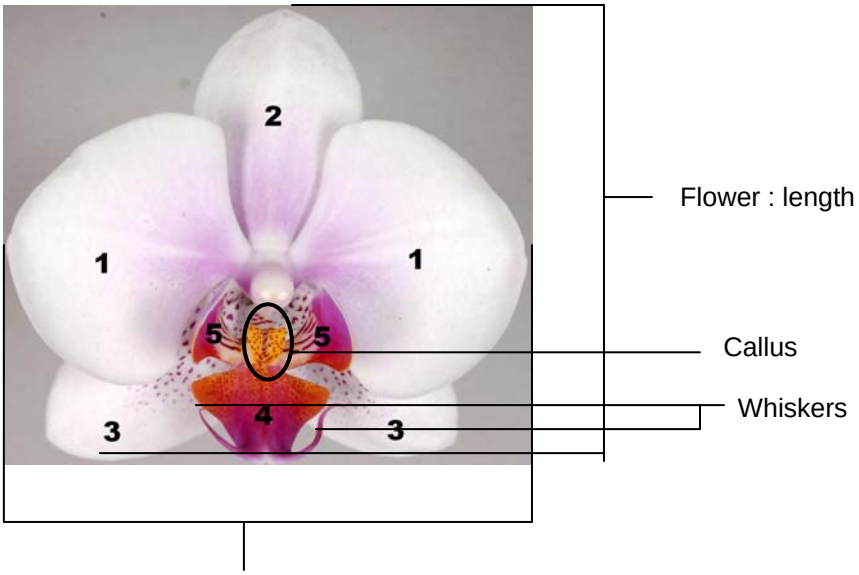


2
flat

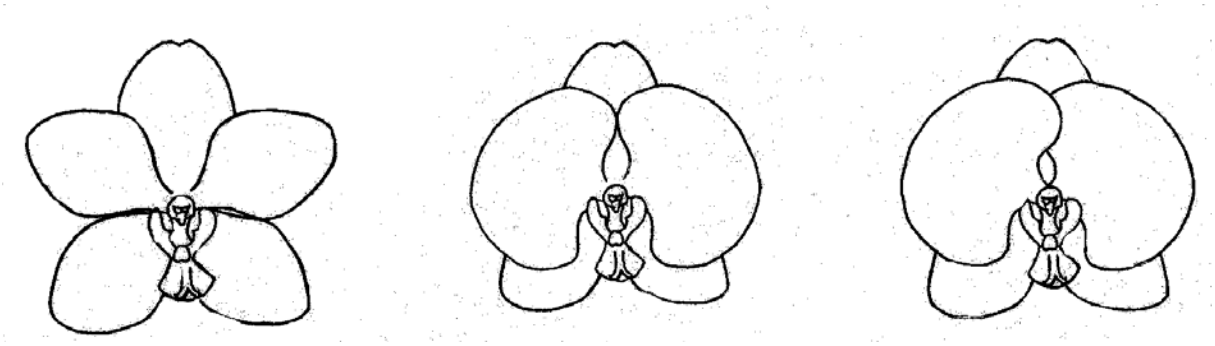
3
convex

Ad. 21: Flower: length in front view
Ad. 22: Flower: width in front view
Ad. 71: Lip: whiskers

1: petal
2: dorsal sepal
3: lateral sepal
4: apical lobe
5: lateral lobe



Ad. 23: Flower: arrangement of petals

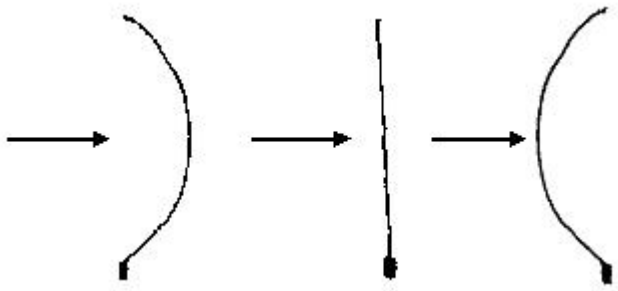


1
free

2
touching

3
overlapping

Ad. 29: Dorsal sepal: curvature of longitudinal axis
Ad. 54: Petal: curvature of longitudinal axis

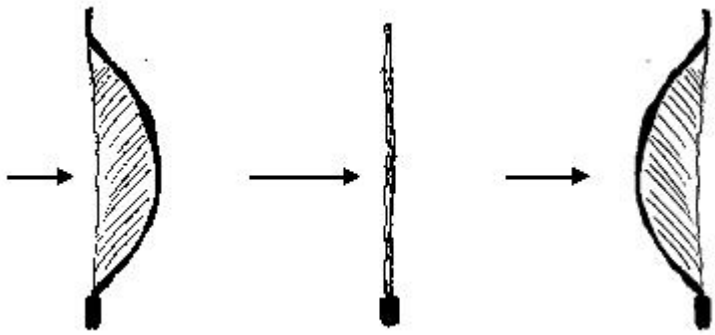


1
incurving

2
straight

3
recurving

Ad. 30: Dorsal sepal: shape in cross section
Ad. 55: Petal: shape in cross section



1
concave

2
straight

3
convex

Ad. 33: Dorsal sepal: ground color of upper side
Ad. 42: Lateral sepal: ground color of upper side
Ad. 58: Petal: ground color of upper side
Ad. 77: Apical lobe: ground color

When a color on the upper side is the same as the color on the lower side this will be the ground color. The other colors on the upper side belongs to the pattern.

Ad. 34: Dorsal sepal: over color (if present)
Ad. 43: Lateral sepal: over color (if present)
Ad. 59: Petal: over color (if present)
Ad. 78: Apical lobe: over color (if present)

In the case of a plant part which has a ground color upon which a second color such as a flush develops over time, the flush is considered the over color. The over color is not always the color occupying the smallest surface area of the plant part concerned.

Ad. 60: Petal: area of over color

3
small

5
medium

7
large

Ad. 70: Lip: shape of apical lobe

1
triangular

2
ovate

3
trullate

4
elliptic

5
rhombic

6
circular

7
obovate

8
obtriangular

Ad. 73: bump and ridge on apical lobe

1
absent or small

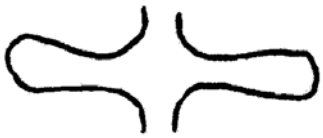
2
medium

3
large

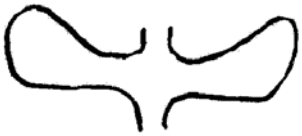
Ad. 74: Lip: shape of lateral lobe

1
type I

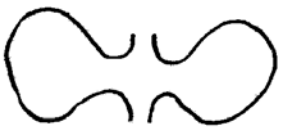
2
type II



3
type III

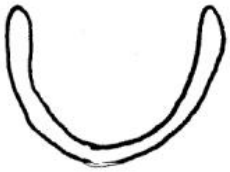


4
type IV



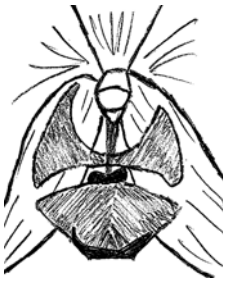
5
type V

Ad. 75: Lip: curvature of lateral lobe

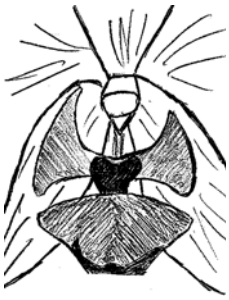


1	2	3
weak	medium	strong

Ad. 94: Lip: callus



1
flat or slightly raised



2
moderately raised

3
strongly raised

9. Literature

The Illustrated Encyclopedia of Orchids, Alec Pridgeon

Dictionary of Gardening, The Royal Horticultural Society

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 Botanical name	*Phalaenopsis* Blume
1.1.2 Common name	Phalaenopsis

1.2 Species (please complete)

1.2.1 Botanical namw	
1.2.2 Common name	

2. Applicant

Name	
Address	
Telephone No.	
Fax No.	
E-mail address	
Breeder (if different from applicant)	

3. Proposed denomination and breeder's reference

Proposed denomination (if available)	
Breeder's reference	

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

[#]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)

(……..……..) x (……..……..)
female parent male parent

(b) partially known cross [ ]
(please state known parent variety(ies))

(……..……..) x (……..……..)
female parent male parent

(c) unknown cross [ ]

4.1.2 Mutation [ ]
(please state parent variety)

4.1.3 Discovery and development [ ]
(please state where and when discovered and how developed)

4.1.4 Other [ ]
(please provide details)

[#] 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:

4.2 Method of propagating the variety

4.2.1 Vegetative propagation

(a) cuttings [ ]

(b) *in vitro* propagation [ ]

(c) other (state method) [ ]

4.2.2 Other [ ]
(please provide details)

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 (1)	**Plant: length**		
	very short		1[ ]
	very short to short		2[ ]
	short	Phalboezeq	3[ ]
	short o medium		4[ ]
	medium	Phalpnizok, Red Eye	5[ ]
	medium to long		6[ ]
	long	Figaro, Puccini	7[ ]
	long to very long		8[ ]
	very long		9[ ]
5.2 (10)	**Leaf: variegation**		
	absent	Symphony	1[ ]
	present	SOGO F2806	9[ ]
5.3 (22)	**Flower: width in front view**		
	very narrow		1[ ]
	very narrow to narrow		2[ ]
	narrow	Mrs Brown	3[ ]
	narrow to medium		4[ ]
	medium	Beauty Sheena Rin Rin	5[ ]
	medium to broad		6[ ]
	broad	Phaladadel	7[ ]
	broad to very broad		8[ ]
	very broad	Cygnus Renaissance	9[ ]

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

	Characteristics	Example Varieties	Note
5.4 (58)	**Petal: ground color of upper side**		
	white		1[ ]
	yellow		2[ ]
	green		3[ ]
	orange		4[ ]
	red		5[ ]
	violet		6[ ]
	purple red		7[ ]
	purple		8[ ]
	brown		9[ ]
5.5 (59)	**Petal: over color (if present)**		
	yellow		1[ ]
	green		2[ ]
	orange		3[ ]
	red		4[ ]
	violet		5[ ]
	purple red		6[ ]
	purple		7[ ]
	brown		8[ ]
5.6 (61)	**Petal: number of spots**		
	none		1[ ]
	none to few		2[ ]
	few		3[ ]
	few to medium		4[ ]
	medium		5[ ]
	medium to many		6[ ]
	many		7[ ]
	many to very many		8[ ]
	very many		9[ ]

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

	Characteristics	Example Varieties	Note
5.7 (64)	**Petal: number of stripes**		
	none	Florina	1[ ]
	none to few		2[ ]
	few		3[ ]
	few to medium		4[ ]
	medium	Phaljelow	5[ ]
	medium to many		6[ ]
	many	Firelight	7[ ]
	many to very many		8[ ]
	very many		9[ ]
5.8 (66)	**Petal: density of netting**		
	none	Florina	1[ ]
	none to sparse		2[ ]
	sparse	Vallier	3[ ]
	sparse to medium		4[ ]
	medium	Phalpnizok	5[ ]
	medium to dense		6[ ]
	dense	Happy Days	7[ ]
	dense to very dense		8[ ]
	very dense		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
Example	*Leaf: length*	*short*	*long*

Comments:

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

[#]7. Additional information which may help in the examination of the variety

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?

Yes [ ] No [ ]

(If yes, please provide details)

7.2 Special conditions for the examination of the variety

7.2.1 Are there any special conditions for growing the variety or conducting the examination?

Yes [ ] No [ ]

7.2.2 If yes, please provide details:

7.3 Other information

A representative color image of the variety should accompany the Technical Questionnaire.

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes [ ] No [ ]

(b) Has such authorization been obtained?

Yes [ ] No [ ]

If the answer to (b) is yes, please attach a copy of the authorization.

[#] 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”.

……

9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?

Yes [ ]
(please provide details as specified by the Authority)

No [ ]

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

Applicant’s name

Signature Date

[End of document]