



**TG/DENDRO(proj.2)**  
**ORIGINAL:** English  
**DATE:** March20,2003

**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
 GENEVA

**DRAFT**

**DENDROBIUM**

(*Dendrobium Sw.*)

\*

**GUIDELINES**

**FOR THE CONDUCT OF TESTS**

**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

AlternativeNames: \*

<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Dendrobium Sw.</i>	Dendrobium	Dendrobium	Dendrobium, Baumwucherer	Dendrobium

**ASSOCIATED DOCUMENTS**

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as the "General Introduction") and its associated "TGP" documents.

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\* 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](http://www.upov.int)), for the latest information.]

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1. SubjectoftheseGuidelines

These Test Guidelines apply to all varieties of sect. *Brachyanthe*, sect. *Callista*, sect. *Calyptochilus*, sect. *Ceratobium*, sect. *Dendrocoryne*, sect. *Eleutheroglossum*, sect. *Eugenianthe*, sect. *Latourea*, sect. *Oxygenianthe*, sect. *Oxyglossum*, sect. *Pedilonum*, sect. *Phalaeanthe*, sect. *Stachyobium*, of *Dendrobium* Sw. of the family Orchidaceae and their hybrids.

2. MaterialRequired

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 two -year old plants that have not previously flowered.

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

10 two year-old plants, each with at least two pseudobulbs.

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. MethodofExamination

3.1 *DurationofTests*

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

3.2 *TestingPlace*

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 *ConditionsforConductingtheExamination*

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 The tests should be conducted in a greenhouse with the following conditions:

Time of submission of plant material:	First half of February (Northern Hemisphere) e)
Planting:	February ~ March
Substrate:	Porous with good aeration Size of pot: medium
Temperature:	D. nobile type varieties: minimum 10 ° C D. phalaenopsis type varieties: minimum 20 ° C
Shading:	Summer season 30% shading (optimum 50 thousand Lux)
Fertilizing:	April ~ July
Low temperature treatment (flower differentiation):	D. nobile type varieties; 10~13 ° C for one month in November

#### 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 10 plants.

#### 3.5 *Number of Plants/Parts of Plants to be Examine d*

Unless otherwise indicated, all observations determined by measuring or counting should be made on 10 plants or parts taken from each of 10 plants.

#### 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 ConsistentDifferences

The minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a character      istic are sufficiently consistent.

#### 4.1.3 ClearDifferences

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 unusual to perform tests of stability that produce results ascertaining 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 materials supplied.

4.3.3 The stability of a hybrid variety may, in addition to an examination of the hybrid variety itself, also be assessed by examination of the uniformity and stability of its parent lines.

## 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 reproduced 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 trials so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Plant: size (characteristic 1)
- (b) Inflorescence: position of flowers (characteristic 18)
- (c) Flower: length in front view (characteristic 27)
- (d) Flower: width in front view (characteristic 28)
- (e) Lip: presence of lateral lobe (characteristic 71)
- (f) Lip: presence of eye (characteristic 77)
- (g) Lip: color pattern (except middle part, eye and throat) (characteristic 80)
- (h) Lip: main color (characteristic 82)

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*

6.4.1 Where appropriate, example varieties are provided to clarify the states of expression of each characteristic. So far only few varieties exist; therefore, mainly species and only few example varieties are indicated in the Table of Characteristics. All variety denominations are

preceded by group names (GREX). General remark: In orchids, a particular grouping on the basis of known parentage, of which the unit is the GREX is in longstanding use.

6.4.2 Variety denominations are replaced between single quotation marks (e.g. ‘Akebono’).

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)-(e) 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. TableofCharacteristics/Tableaudescaractères/Merkmalstabelle/Tabladecaracteres

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>1.</b> <b>(*)</b>	<b>Plant:size</b>	<b>Plante:taille</b>	<b>Pflanze:Größe</b>	<b>Planta:ta maño</b>	
QN	very small	très petite	sehr klein	muy pequeña	EnobiKomachi 'Shirayukihime'
	small	petite	klein	pequeña	<i>Dendrobiumkingianum</i>
	medium	moyenne	mittel	media	WaveKing 'Akebono'
	large	grande	groß	grande	LuckyGirl 'Emiko'
	very large	très grande	sehr groß	muy grande	
<b>2.</b> <b>(*)</b>	<b>(a) Pseudobulb:attitude</b>	<b>Pseudobulbe: disposition</b>	<b>Pseudobulbe: Haltung</b>	<b>Pseudobulbo: porte</b>	
QN	erect	dressé	aufrecht	erecto	'Formidable'
	semi-erect	demi dressé	halbaufrecht	semierecto	
	horizontal	horizontal	waagerecht	horizontal	
	semi-drooping	demi retombant	halbüberhängend	semicolgante	
	drooping	retombant	überhängend	colgante	
<b>3.</b> <b>(*)</b>	<b>(a) Pseudobulb: length</b>	<b>Pseudobulbe: longueur</b>	<b>Pseudobulbe:Länge</b>	<b>Pseudobulbo: longitud</b>	
QN	very short	très court	sehr kurz	muy corto	EnobiKomachi 'Shirayukihime'
	short	court	kurz	corto	<i>Dendrobium kingianum</i>
	medium	moyen	mittel	medio	WaveKing ' Akebono'
	long	long	lang	largo	SnowCap 'Love Song'
	very long	très long	sehr lang	muy largo	

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejemplos	
<b>4.</b> <small>(*)</small>	<b>(a)</b>	<b>Pseudobulb: thickness</b>	<b>Pseudobulbe: épaisseur</b>	<b>Pseudobulbe:Dicke</b>	<b>Pseudobulbo: grosor</b>		
<b>QN</b>		very thin	trèsfin	sehrdünn	muy delgado		1
		thin	fin	dünn	delgado	EnobiKomachi 'Shirayukihime'	3
		medium	moyen	mittel	medio	EnobiParade 'Milky Way'	5
		thick	épais	dick	grueso		7
		very thick	trèsépais	sehrdick	muy grueso		9
<b>5.</b> <small>(*)</small>	<b>(a)</b>	<b>Pseudobulb: shape in longitudinal section</b>	<b>Pseudobulbe: forme en section longitudinale</b>	<b>Pseudobulbe:Form im Längsschnitt</b>	<b>Pseudobulbo: forma en sección longitudinal</b>		
<b>PQ</b>		linear	linéaire	linear	lineal	'Formidable'	1
		lanceolate	lancéolé	lanzettlich	lanceolada		2
		ovate	ovale	eiförmig	oval		3
<b>6.</b> <small>(a)</small>	<b>Pseudobulb:shape in crosssection</b>	<b>Pseudobulbe: forme en section transversale</b>	<b>Pseudobulbe:Form im Querschnitt</b>	<b>Pseudobulbo: forma en sección transversal</b>			
<b>PQ</b>		elliptic	elliptique	elliptisch	elíptica		1
		circular	arrondi	rund	circular	'Formidable'	2
		angular	anguleux	kantig	angular	<i>Dendrobium densiflorum</i>	3
<b>7.</b>		<b>Plant:age of flowering pseudobulb (principally)</b>	<b>Plante:âge du pseudobulbe florifère (principalement)</b>	<b>Pflanze:Alter der blühenden Pseudobulbe (hauptsächlich)</b>	<b>Planta:tiempo de florecimiento del pseudobulbo (principalmente)</b>		
<b>QL</b>		one year	un an	ein Jahr	un año	'Formidable'	1
		two years or more	deux ans et plus	zwei Jahre oder mehr	dos años o más		2
<b>8.</b> <small>(*)</small>	<b>(b)</b>	<b>Leaf:length</b>	<b>Feuille:longueur</b>	<b>Blatt:Länge</b>	<b>Hoja:longitud</b>		
<b>QN</b>		short	courte	kurz	corta	Stardust 'Chiyomi'	3
		medium	moyenne	mittel	media	WaveKing 'Akebono'	5
		long	longue	lang	larga		7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>9.</b> <small>(*)</small>	<b>(b) Leaf:width</b>	<b>Feuille:largeur</b>	<b>Blatt:Breite</b>	<b>Hoja:anchura</b>		
<b>QN</b>	narrow	étroite	schmal	estrecha	Stardust ‘Chiyomi’	3
	medium	moyenne	mittel	media	WaveKing ‘Akebono’	5
	broad	large	breit	ancha	SnowCap ‘Love Song’	7
<b>10.</b> <small>(*) (+)</small>	<b>(b) Leaf: shape</b>	<b>Feuille:forme</b>	<b>Blatt:Form</b>	<b>Hoja:forma</b>		
<b>PQ</b>	narrowelliptic	elliptiqueétroite	schmalelliptisch	elípticaestrecha		1
	elliptic	elliptique	elliptisch	elíptica		2
	narrowovate	ovaleétroite	schmaleiförmig	ovalestrecha		3
	narrowobovate	obovaleétroite	schmalverkehrt eiförmig	obovalestrecha		4
	spatulate	spatulée	spatelförmig	espatulada		5
<b>11.</b>	<b>(b) Leaf: maingreen color</b>	<b>Feuille:couleur verteprincipale</b>	<b>Blatt: hauptsächliche Grünfärbung</b>	<b>Hoja:color verde principal</b>		
<b>QN</b>	light	claire	hell	claro		3
	medium	moyenne	mittel	medio	EnobiKomachi ‘Shirayukihime’	5
	dark	foncée	dunkel	oscuro	EnobiParade ‘Milky Way’	7
<b>12.</b>	<b>(b) Leaf: presenceof variegation</b>	<b>Feuille:présencede panachure</b>	<b>Blatt: Vorhandenseinder Panaschierung</b>	<b>Hoja:presenci ade variegación</b>		
<b>QL</b>	absent	absente	fehlend	ausente	EnobiKomachi ‘Shirayukihime’	1
	present	présente	vorhanden	presente		9

					Example Varieties	
	English	français	deutsch	español	Exemples	Note/ Nota
					Beispielssorten	
13.	(b) Leaf: type of variegation (+)	Feuille:type de panachure	Blatt:Typ der Panaschierung	Hoja:tipo de variegación		
QL	brindled	mouchetée	scheckig	pinto		1
	spotted	tachetée	fleckig	manchado		2
	striped	striée	gestreift	estriado		3
	centered	centrée	inderMitte	centrado		4
	edged	bordée	gerändert	ribeteado		5
14.	(b) Leaf: color of variegation	Feuille:couleur de la panachure	Blatt:Farbe der Panaschierung	Hoja:color de la variegación		
QL	white	blanche	weiß	blanco		1
	yellow	jaune	gelb	amarillo		2
	yellowgreen	vert-jaune	gelbgrün	verde amarillento		3
	white and yellow	blanche et jaune	weiß und gelb	blanco y amarillo		4
	white and yellow green	blanche et vert -jaune	weiß und gelbgrün	blanco y verde amarillento		5
	yellow and yellow green	jaune et vert -jaune	gelb und gelbgrün	amarillo y verde amarillento		6
15.	(b) Leaf: presence of pubescence	Feuille:présence de pilosité	Blatt:Vorhandensein der Behaarung	Hoja:presencia de pubescencia		
QL	absent	absente	fehlend	ausente		1
	present	présente	vorhanden	presente	'Formidable'	9
16.	(b) Leaf: color of pubescence	Feuille:couleur des poils	Blatt:Farbe der Behaarung	Hoja:color de la pubescencia		
QL	white	blancs	weiß	blanco		1
	black	noirs	schwarz	negro	'Formidable'	2

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
17.	(c)	<b>Inflorescence: positionof adherenceto pseudobulb</b>	<b>Inflorescence: emplacementde l'adhérenceau pseudobulbe</b>	<b>Blütenstand: Positiondes Anhaftensander Pseudobulbe</b>	<b>Inflorescencia: posicíondela adherenciaal pseudobulbo</b>		
QL		alongwhole length	surtoutelalongueur	entlangderganzen Länge	alolargodetodoel tallo		1
		toppart only	seulementsurla partiesu périeure	nuramoberenTeil	únicamenteenla partesuperior	<i>Dendrobiumkingianum</i>	2
18.	(c)	<b>Inflorescence: positionofflowers</b>	<b>Inflorescence: positiondesfleurs</b>	<b>Blütenstand: PositionderBlüten</b>	<b>Inflorescencia: posicíondelas flores</b>		
QL		alongpedu ncle	lelongdupédoncule	entlangdes Blütenstiels	alolargodel pedúnculo	SnowCap‘Love Song’	1
		apexonly	seulementsurle sommet	nuranderSpitze	únicamenteenel ápice	PinkBeauty‘Queen’	2
19.	(c)	<b>Inflorescence: numberofflowers</b>	<b>Inflorescence: nombredefleurs</b>	<b>Blütenstand:Anzahl Blüten</b>	<b>Inflorescencia: númerodeflores</b>		
QN		few	rares	gering	bajo	EnobiKomachi ‘Shirayukihime’	3
		medium	asseznombreuses	mittel	medio	SnowCap‘Love Song’	5
		many	nombreuses	groß	alto		7
20.	(*) (+)	<b>Peduncle: length</b>	<b>Pédoncule:longueur</b>	<b>Blütenstiel:Länge</b>	<b>Pedúnculo: longitud</b>		
QN		short	court	kurz	corto	LuckyGirl ‘Emiko’	3
		medium	moyen	mittel	medio	EnobiParade ‘Milky Way’	5
		long	long	lang	largo	QueenSoutheast ‘Crystal Queen’	7
21.	(*)	<b>Peduncle:thickness</b>	<b>Pédoncule: épaisseur</b>	<b>Blütenstiel:Dicke</b>	<b>Pedúnculo:grosor</b>		
QN		thin	fin	dünn	delgado		3
		medium	moyen	mittel	medio	LuckyGirl ‘Emiko’	5
		thick	épais	dick	grueso		7

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>22.</b> <small>(*)</small>	<b>Peduncle:attitude</b>	<b>Pédoncule: disposition</b>	<b>Blütenstiell:Haltung</b>	<b>Pedúnculo:porte</b>		
<b>QN</b>	erect	dressé	aufrecht	erecto	EnobiKomachi 'Shirayukihime'	1
	semi-erect	demi dressé	halbaufrecht	semierecto	SnowCap 'Love Song'	3
	horizontal	horizontal	waagerecht	horizontal		5
	recurving	retombant	zurückgebogen	curvado ha ciaabajo		7
<b>23.</b> <small>(*)</small> <small>(+)</small>	<b>Pedicellate-ovary: length</b>	<b>Ovaire pédonculaire: longueur</b>	<b>Fruchtknotenmit gestieltenBlüten: Länge</b>	<b>Ovariopedicelado: longitud</b>		
<b>QN</b>	short	courte	kurz	corto	WaveKing 'Akebono'	3
	medium	moyenne	mittel	medio	SnowCap 'Love Song'	5
	long	longue	lang	largo		7
<b>24.</b> <small>(*)</small>	<b>Pedicellate-ovary: thickness</b>	<b>Ovaire pédonculaire: épaisseur</b>	<b>Fruchtknotenmit gestieltenBlüten: Dicke</b>	<b>Ovariopedicelado: grosor</b>		
<b>QN</b>	thin	fine	dünn	delgado	WaveKing 'Akebono'	3
	medium	moyenne	mittel	medio		5
	thick	épaisse	dick	grueso		7

		English	français	deutsch	español	Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>25.</b>	(*)	<b>(c) Flower:general impressionofpetals andsepals</b>	<b>Fleur:impression générale des pétales et sépales</b>	<b>Blüte:Allgemeine Einsenkung der Blütenblätter und der Kelchblätter</b>	<b>Flor:aspecto general de los pétalos y sépala los</b>		
<b>PQ</b>		allincurving someincurving, somespreading allspreading somespreading, somereflexing allreflexing someincurving, somereflexing	tousincurvés quelques-uns incurvés, quelques-un étalés tousétalés quelques-uns étalés, quelques-uns réfléchis tousréfléchis quelques-uns incurvés, quelques-uns réfléchis	alle eingebogen einige eingebogen, einige gespreizt alle gespreizt einige gespreizt, einige zurückgebogen alle zurückgebogen einige eingebogen, einige zurückgebogen	todos curvados hacia adentro algunos curvados hacia adentro, otro extendidos todo extendidos alguno extendidos, otro curvado hacia afuera todos curvados hacia afuera algunos curvados hacia adentro y otro hacia afuera		1 2 3 4 5 6
<b>26.</b>	(d)	<b>Flower: lengthof mentum</b>	<b>Fleur:longueur du mentum</b>	<b>Blüte:Länge des Mentums</b>	<b>Flor:longitud del mentón</b>		
<b>QN</b>		short medium long	court moyen long	kurz mittel lang	corto medio largo	<i>Dendrobium kingianum</i> 'Formidable' <i>LuckyGirl</i> 'Emiko'	3 5 7
<b>27.</b>	(*) (+)	<b>(d) Flower:length in frontview</b>	<b>Fleur:longueur en vue de face</b>	<b>Blüte:Länge in der Vorderansicht</b>	<b>Flor:longitud en perspectiva frontal</b>		
<b>QN</b>		short medium long	courte moyenne longue	kurz mittel lang	corta media larga	EnobiKomachi 'Shirayukihime'	3 5 7

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>28.</b>	(d) <b>Flower:width in frontview</b>	<b>Fleur:largeuren vuedeface</b>	<b>Blüte:Breite in der Vorderansicht</b>	<b>Flor:anchura en perspectiva frontal</b>		
QN	narrow	étroite	schmal	estrecha	EnobiKomachi 'Shirayuki hime'	3
	medium	moyenne	mittel	media	LuckyGirl 'Emiko'	5
	broad	large	breit	ancha		7
<b>29.</b>	(c) <b>Flower: fragrance</b>	<b>Fleur:parfum</b>	<b>Blüte:Duft</b>	<b>Flor:fragancia</b>		
QL	absent	absent	fehlend	ausente		1
	present	présent	vorhanden	presente	SnowCap 'Love Song'	9
<b>30.</b>	(c) <b>Dorsalsepal: curvatureof longitudinalaxis</b>	<b>Sépaledorsal: courbure del'axe longitudinal</b>	<b>DorsalesKelchblatt: Biegung der Längsachse</b>	<b>Sépalodorsal: curvatura de laje longitudinal</b>		
QN	strongly incurving	fortement incurvé	starkeingebogen	fuertemente curvado hacia arriba		1
	moderately incurving	moyennement incurvé	mitteleingebogen	moderadamente curvado hacia arriba		3
	straight	droit	gerade	recto	SnowCap 'Love Song'	5
	moderately recurving	moyennement retombant	mittelzurückgebogen	moderadamente curvado hacia abajo	EnobiKomachi 'Shirayuki hime'	7
	strongly recurving	fortementretombant	starkzurückgebogen	fuertemente recurvado hacia abajo		9
<b>31.</b>	(d) <b>Dorsalsepal:length</b>	<b>Sépaledorsal: longueur</b>	<b>DorsalesKelchblatt: Länge</b>	<b>Sépalodorsal: longitud</b>		
QN	short	court	kurz	corto	EnobiParade 'Milky Way'	3
	medium	moyen	mittel	medio	WaveKing 'Akebono'	5
	long	long	lang	largo		7

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>32.</b>	<b>(d) Dorsalsepal:width</b>	<b>Sépaledorsal: largeur</b>	<b>DorsalesKelchblatt: Breite</b>	<b>Sépalodorsal: anchura</b>		
<b>QN</b>	narrow	étroit	schmal	estrecho	EnobiParade 'Milky Way'	3
	medium	moyen	mittel	medio	WaveKing 'Akebono'	5
	broad	large	breit	ancho		7
<b>33.</b>	<b>(d) Dorsalsepal:shape</b>	<b>Sépaledorsal:forme</b>	<b>DorsalesKelchblatt: Form</b>	<b>Sépalodorsal: forma</b>		
<b>(*)</b>						
<b>PQ</b>	narrowelliptic	elliptiqueétroit	schmalelliptisch	elípticaestrecha	Stardust 'Chiyomi'	1
	elliptic	elliptique	elliptisch	elíptica	LuckyGirl 'Emiko'	2
	ovate	ovale	eiförmig	oval		3
	obovate	obovale	verkehrteiförmig	oboval		4
	transverseelliptic	elliptiquetransversal	querelliptisch	elípticatransversal		5
	spatulate	spatulé	spatelförmig	espatulada		6
<b>34.</b>	<b>(c) Dorsalsepal:shape incrosssection</b>	<b>Sépaledorsal: formeensection transversale</b>	<b>DorsalesKelchblatt: Formim Querschnitt</b>	<b>Sépalodorsal: formaensección transversal</b>		
<b>(*)</b>						
<b>QN</b>	strongly concave	fortementconcave	starkkonkav	fuertemente cóncava		1
	moderately concave	moyennement concave	mittelkonkav	moderadamente cóncava		3
	flat	plate	flach	plana	SnowCap 'Love Song'	5
	moderately convex	moyennement convexe	mittelkonvex	moderadamente convexa		7
	strongly convex	fortementconvexe	starkkonvex	fuertemente convexa	PinkBeauty 'Queen'	9

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
<b>35.</b>	(c)	<b>Dorsalsepal: twisting</b>	<b>Sépaledorsal: torsion</b>	<b>Dorsales Kelchblatt: Drehung</b>	<b>Sépalodorsal: torsión</b>		
QN		absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil		1
		weak	faible	gering	débil	Stardust 'Chiyomi'	3
		medium	moyenne	mittel	media		5
		strong	forte	stark	fuerte		7
		very strong	très forte	sehr stark	muy fuerte		9
<b>36.</b>	(c)	<b>Dorsalsepal: undulation of margin</b>	<b>Sépaledorsal: ondulation du bord</b>	<b>Dorsales Kelchblatt: Randwellung</b>	<b>Sépalodorsal: ondulación del margen</b>		
QN		absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil		1
		weak	faible	gering	débil		3
		medium	moyenne	mittel	media	PinkBeauty 'Queen'	5
		strong	forte	stark	fuerte		7
		very strong	très forte	sehr stark	muy fuerte		9
<b>37.</b>	(c)	<b>Lateral sepal: curvature of longitudinal axis</b>	<b>Sépale la téral: courbure de l'axe longitudinal</b>	<b>Seitliches Kelchblatt: Biegung der Längsachse</b>	<b>Sépalolateral: curvatura de la eje longitudinal</b>		
QN		strongly incurving	fortement incurvé	starke eingebogen	fuertemente curvado hacia arriba		1
		moderately incurving	moyennement incurvé	mitteleingebogen	moderadamente curvado hacia arriba		3
		straight	droit	gerade	recto	SnowCap 'Love Song'	5
		moderately recurving	moyennement retombant	mittel zurückgebogen	moderadamente curvado hacia abajo	Enobi Komachi 'Shirayuki hime'	7
		strongly recurring	fortement courbé	stark zurückgebogen	fuertemente curvado hacia abajo		9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>38.</b> <small>(*)</small>	<b>(d) Lateralsepal: length</b>	<b>Sépalelatéral: longueur</b>	<b>Seitliches Kelchblatt:Länge</b>	<b>Sépalolateral: longitud</b>		
<b>QN</b>	short	court	kurz	corto	EnobiParade 'Milky Way'	3
	medium	moyen	mittel	medio	WaveKing 'Akebono'	5
	long	long	lang	largo		7
<b>39.</b> <small>(*)</small>	<b>(d) Lateralsepal:width</b>	<b>Sépalelatéral: largeur</b>	<b>Seitliches Kelchblatt:Breite</b>	<b>Sépalolateral: anchura</b>		
<b>QN</b>	narrow	étroit	schmal	estrecho	EnobiParade 'Milky Way'	3
	medium	moyen	mittel	medio	WaveKing 'Akebono'	5
	broad	large	breit	ancho		7
<b>40.</b> <small>(*) (+)</small>	<b>(c) Lateralsepal: shape</b>	<b>Sépalelatéral: forme</b>	<b>Seitliches Kelchblatt:Form</b>	<b>Sépalolateral: forma</b>		
<b>PQ</b>	narrowelliptic	elliptiqueétroit	schmalelliptisch	elípticaestrecha		1
	elliptic	elliptique	elliptisch	elíptica	EnobiKomachi 'Shirayukihime'	2
	ovate	ovale	eiförmig	oval		3
	obovate	obovale	verkehrteiförmig	oboval		4
	transverseelliptic	elliptiquetransversal	querelliptisch	elípticatransversal		5
	spatulate	spatulé	spatelförmig	espatulada		6

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
<b>41.</b>	(c)	<b>Lateralsepal:shape incrosssection</b>	<b>Sépalelatéral: forme en section transversale</b>	<b>Seitliches Kelchblatt:Form im Querschnitt</b>	<b>Sépalolateral: forma en sección transversal</b>		
QN		strongly concave	fortement concave	stark konkav	fuertemente cóncava		1
		moderately concave	moyennement concave	mittelkonkav	moderadamente cóncava	Stardust 'Chiyomi'	3
		flat	plat	flach	plana	Enobi Parade 'Milky Way'	5
		moderately convex	moyennement convexe	mittelkonvex	moderadamente convexa		7
		strongly convex	fortement convexe	stark konvex	fuertemente convexa		9
<b>42.</b>	(c)	<b>Lateralsepal: twisting</b>	<b>Sépalelatéral: torsion</b>	<b>Seitliches Kelchblatt:Drehung</b>	<b>Sépalolateral: torsión</b>		
QN		absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil		1
		weak	faible	gering	débil	Stardust 'Chiyomi'	3
		medium	moyenne	mittel	media		5
		strong	forte	stark	fuerte		7
		very strong	très forte	sehr stark	muy fuerte		9
<b>43.</b>	(c)	<b>Lateralsepal: undulationof margin</b>	<b>Sépalelatéral: ondulation du bord</b>	<b>Seitliches Kelchblatt: Randwellung</b>	<b>Sépalolateral: ondulación del margen</b>		
QN		absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil		1
		weak	faible	gering	débil	Wave King 'Akebono'	3
		medium	moyenne	mittel	media	Pink Beauty 'Queen'	5
		strong	forte	stark	fuerte		7
		very strong	très forte	sehr stark	muy fuerte		9

		English	français	deutsch	español	Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>44.</b>	(c) <b>Sepal:numberof colors</b> (*) (e)	Sépale:nombre de couleurs	Kelchblatt:Anzahl Farben	Sépalo:número de colores			
<b>QL</b>	one	une	eine	uno			1
	two	deux	zwei	dos	SnowCap‘Love Song’		2
	three	trois	drei	tres			3
	morethanthree	plusdetrois	mehralsdrei	másdetres			4
<b>45.</b>	(c) <b>Sepal:color pattern</b> (*) (e)	Sépale:répartition de la couleur	Kelchblatt: Farbverteilung	Sépalo: distribución del color			
<b>QL</b>	self-colored	unicolore	gleichfarbig	delmismocolor	Stardust‘Chiyomi’		1
	shaded	dégradée	schattiert	sombreado	SnowCap‘Love Song’		2
	edged	bordée	gerändert	ribeteado	HolyNight‘Yumeji’		3
	striped	striée	gestreift	estriado			4
	netted	réticulée	netzartig	reticulado			5
	spotted	tachetée	fleckig	manchado			6
	shaded and striped	dégradéet striée	schattiertund gestreift	sombreadoy estriado			7
	shaded and netted	dégradéet réticulée	schattiertund netzartig	sombreadoy reticulado			8
	shaded and spotted	dégradéet tachetée	schattiertundfleckig	sombreadoy manchado			9
<b>46.</b>	(c) <b>Sepal: main color</b> (e)	Sépale:couleur principale	Kelchblatt: Hauptfarbe	Sépalo:color principal			
<b>PQ</b>	RHSColourChart (indicate reference number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-Farbkarte (Nummerangeben)	Cartadecolores RHS(indíqueseel número de referencia)			
<b>47.</b>	(c) <b>Shadedvarieties</b> (e) <b>only:Sepal: extent of shading</b>	Variétésdégradées seulement:Sépale: étenduedudégradé	Nurschattierte Sorten:Kelchblatt: Ausdehnungder Schattierung	Sólovariedades sombreadas: Sépalo:alcance del sombreado			
<b>QN</b>	small	petite	gering	pequeño			3
	medium	moyenne	mittel	medio	SnowCap‘Love Song’		5
	large	grande	groß	grande			7

	English	français	deutsch	español	Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
48.	(c) Shadedvarieties (e) only:Sepal: colorof shading	Variétésdégradées seulement:Sépale: couleurdudégradé	Nurschattierte Sorten:Kelchblatt: Farbeder Schattierung	Sólovariedades sombreadas: Sépalo:color del sombreado		
PQ	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
49.	(c) Edgedvarieties (e) only:Sepal: colorof edging	Variétésbordées seulement:Sépale: couleurdela bordure	Nurgeränderte Sorten:Kelchblatt: Farbeder Ränderung	Unicamente variedades ribeteadas:Sépalo: color delribeteado		
PQ	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
50.	(c) Stripedvarieties (e) only:Sepal: colorof stripes	Variétésstriées seulement:Sépale: couleurdesstr ies	Nurgestreifte Sorten:Kelchblatt: FarbederStreifen	Sólovariedades estriadas:Sépalo: color delasestrías		
PQ	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS:(indíqueseel númerode referencia)		
51.	(c) Nettedvarieties (e) only:Sepal: colorof netting	Variétésréticulées seulement:Sépale: couleurdela réticulation	Nurnetzartige Sorten:Kelchblatt: FarbedesNetzes	Solamente variedades reticuladas: Sépalo:color del reticulado		
PQ	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
52.	(c) Spottedvarieties (e) only:Sepal: colorof spots	Variétéstachetées seulement:Sépale: couleurdestaches	NurfleckigeSorten: Kelchblatt:Farbe derFlecken	Sólovariedades manchadas: Sépalo:color de lasmanchas		
PQ	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
<b>53.</b>	(c)	<b>Petal:curvatureof longitudinal axis</b>	<b>Pétale:courbure de l'axe longitudinal</b>	<b>Blütenblatt:Biegung der Längsachse</b>	<b>Pétalo:curvatura de la eje longitudinal</b>		
<b>QN</b>		strongly incurving	fortement incurvé	starke eingebogen	fuertemente curvado hacia arriba		1
		moderately incurving	moyennement incurvé	mitteleingebogen	moderadamente curvado hacia arriba		3
		straight	droit	gerade	recto	Lucky Girl 'Emiko'	5
		moderately recuring	moyennement retombant	mittel zurückgebogen	moderadamente curvado hacia abajo	Enobi Komachi 'Shirayuki hime'	7
		strongly recurving	fortement retombant	stark zurückgebogen	fuertemente curvado hacia abajo		9
<b>54.</b>	(d)	<b>Petal:length</b>	<b>Pétale:longueur</b>	<b>Blütenblatt:Länge</b>	<b>Pétalo:longitud</b>		
<b>QN</b>		short	court	kurz	corto	Enobi Parade 'Milky Way'	3
		medium	moyen	mittel	medio	Wave King 'Akebono'	5
		long	long	lang	largo		7
<b>55.</b>	(d)	<b>Petal:width</b>	<b>Pétale:largeur</b>	<b>Blütenblatt:Breite</b>	<b>Pétalo:anchura</b>		
<b>QN</b>		narrow	étroit	schmal	estrecho	Enobi Parade 'Milky Way'	3
		medium	moyen	mittel	medio	Wave King 'Akebono'	5
		broad	large	breit	ancho		7
<b>56.</b>	(c)	<b>Petal:shape</b>	<b>Pétale:forme</b>	<b>Blütenblatt:Form</b>	<b>Pétalo:forma</b>		
<b>PQ</b>	(*)	narrow elliptic	elliptique étroit	schmalelliptisch	elíptica estrecha		1
	(+)	elliptic	elliptique	elliptisch	elíptica	Stardust 'Chiyomi'	2
		ovate	ovale	eiförmig	oval		3
		obovate	obovale	verkehrteiförmig	oboval		4
		transverse elliptic	elliptique transversal	querelliptisch	elíptica transversal		5
		spatulate	spatulé	spatelförmig	espatulada		6

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>57.</b>	(c) <b>Petal:shape incross section</b>	<b>Pétale:formeaen sectiontransversale</b>	<b>Blütenblatt:Form imQuerschnitt</b>	<b>Pétalo:formaen seccióntransversal</b>		
QN	strongly concave	fortementconcave	starkkonkav	fuertemente cóncava		1
	moderately concave	moyennement concave	mittelkonkav	moderadamente cóncava		3
	flat	plat	flach	plana	EnobiParade 'Milky Way'	5
	moderately convex	moyennement convexe	mittelkonvex	moderadamente convexa		7
	strongly convex	fortementconvexe	starkkonvex	fuertemente convexa		9
<b>58.</b>	(c) <b>Petal: twisting</b>	<b>Pétale:torsion</b>	<b>Blütenblatt: Drehung</b>	<b>Pétalo:torsión</b>		
QN	absentorveryweak	absenteoutrèsfaible	fehlendodersehr gering	ausenteomuydébil		1
	weak	faible	gering	débil	PinkBeauty 'Queen'	3
	medium	moyenne	mittel	media		5
	strong	forte	stark	fuerte		7
	verystrong	trèsforte	sehrstark	muyfuerte		9
<b>59.</b>	(c) <b>Petal:undulationof margin</b>	<b>Pétale:ondulation dubord</b>	<b>Blütenblatt: Randwellung</b>	<b>Pétalo:ondulación delmargen</b>		
QN	absentorveryweak	nulleoutrèsfaible	fehlendodersehr gering	ausenteomuydébil		1
	weak	faible	gering	débil	Stardust 'Chiyomi'	3
	medium	moyenne	mittel	media	WaveKing 'Akebono'	5
	strong	forte	stark	fuerte	PinkBeauty 'Queen'	7
	verystrong	trèsforte	sehrstark	muyfuerte		9

					Example Varieties	
	English	français	deutsch	español	Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>60.</b>	(c) Petal:number of colors (*)	Pétale:nombre de couleurs	Blütenblatt:Anzahl Farben	Pétalo:número de colores		
<b>QL</b>	one	une	eine	uno		1
	two	deux	zwei	dos	HolyNight‘Yumeji’	2
	three	trois	drei	tres		3
	more than three	plus de trois	mehr als drei	más de tres		4
<b>61.</b>	(c) Petal:color pattern (*)	Pétale:répartition des couleurs	Blütenblatt: Farbverteilung	Pétalo: distribución del color		
<b>QL</b>	self-colored	unicolore	gleichfarbig	del mismo color		1
	shaded	dégradée	schattiert	sombreado		2
	edged	bordée	gerändert	ribeteado	HolyNight‘Yumeji’	3
	striped	striée	gestreift	estriado		4
	netted	réticulée	netzartig	reticulado		5
	spotted	tachetée	fleckig	manchado		6
	shaded and striped	dégradée et striée	schattiert und gestreift	sombreado y estriado		7
	shaded and netted	dégradée et réticulée	schattiert und netzartig	sombreado y reticulado		8
	shaded and spotted	dégradée et tachetée	schattiert und fleckig	sombreado y manchado		9
<b>62.</b>	(c) Petal: main color (e)	Pétale:couleur principale	Blütenblatt: Hauptfarbe	Pétalo:color principal		
<b>PQ</b>	RHS Colour Chart (indicate reference number)	Code RHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		
<b>63.</b>	(c) Shaded varieties only: Petal: extent of shading	Variétés dégradées seulement:Pétale: étendue du dégradé	Nurschattierte Sorten:Blütenblatt: Ausdehnung der Schattierung	Sólo variedades sombreadas: Pétalo: alcance del sombreado		
<b>QN</b>	small	petite	gering	pequeño		3
	medium	moyenne	mittel	medio		5
	large	grande	groß	grande		7

	English	français	deutsch	español	Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
<b>64.</b>	(c) <b>Shadedvarieties</b> (e) <b>only:Petal: colorof shading</b>	<b>Variétésdégradées seulement:Pétale: couleurdudégradé</b>	<b>Nurschattierte Sorten:Blütenblatt: Farbeder Schattierung</b>	<b>Sólovariedades sombreadas: Pétalo:color del sombreado</b>		
<b>PQ</b>	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
<b>65.</b>	(c) <b>Edgedvarieties</b> (e) <b>only: Petal: colorof edging</b>	<b>Variétésbordées seulement:Pétale: couleurdela bordure</b>	<b>Nurgeränderte Sorten:Blütenblatt: Farbeder Ränderung</b>	<b>Sólovariedades ribeteadas:Pétalo: color delribeteado</b>		
<b>PQ</b>	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
<b>66.</b>	(c) <b>Stripedvarieties</b> (e) <b>only:Petal: colorof stripes</b>	<b>Variétésstriées seulement:Pétale: couleurdesstripes</b>	<b>Nurgestreifte Sorten:Blütenblatt: FarbederStreifen</b>	<b>Sólovariedades estriadas:Pétalo: color delasestrías</b>		
<b>PQ</b>	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
<b>67.</b>	(c) <b>Nettedvarieties</b> (e) <b>only:Petal: colorof netting</b>	<b>Variétésréticulées seulement:Pétales: couleurdela réticulation</b>	<b>Nurnetzartige Sorten:Blütenblatt: FarbedesNetzes</b>	<b>Sólovariedades reticuladas: Pétalo:color del reticulado</b>		
<b>PQ</b>	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		
<b>68.</b>	(c) <b>Spottedvarieties</b> (e) <b>only:Petal: colorof spots</b>	<b>Variétéstachetées seulement:couleur destaches</b>	<b>NurfleckigeSorten: Blütenblatt:Farbe derFlecken</b>	<b>Sólovariedades manchadas: Pétalo:color delas manchas</b>		
<b>PQ</b>	RHSColourChart (indicaterefERENCE number)	CodeRHSdes couleurs(indiquerle numéroderéférence)	RHS-FarbKarte (Nummerangeben)	Cartadecolores RHS(indíqueseel númerode referencia)		

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
<b>69.</b>	(c) <b>Lip:length</b> (*) (d)		<b>Labelle:longueur</b>	<b>Lippe:Länge</b>	<b>Labio:longitud</b>		
QN	short		court	kurz	corto	EnobiParade 'Milky Way'	3
	medium		moyen	mittel	medio	WaveKing 'Akebono'	5
	long		long	lang	grande		7
<b>70.</b>	(c) <b>Lip:width</b> (*) (d)		<b>Labelle:largeur</b>	<b>Lippe:Breite</b>	<b>Labio:anchura</b>		
QN	narrow		étroit	schmal	estrecho	EnobiParade 'Milky Way'	3
	medium		moyen	mittel	medio	Himezakura 'Fujikko'	5
	broad		large	breit	ancho	WaveKing 'Akebono'	7
<b>71.</b>	(c) <b>Lip: presenceof laterallobe</b> (*)		<b>Labelle:présencedu lobelatéral</b>	<b>Lippe: Vorhandenseindes Seitenlappens</b>	<b>Labio:presencia delóbulo lateral</b>		
QL	absent		absent	fehlend	ausente	Stardust 'Chiyomi'	1
	present		présent	vorhanden	presente	<i>Dendrobiumbe llatulum</i>	9
<b>72.</b>	(c) <b>Varietieswithout laterallobesonly:</b> (*) (+) <b>Lip: shape</b>		<b>Variétéssanslobes latérauxseulement: Labelle:forme</b>	<b>NurSortenohne Seitenlappen:Lippe: Form</b>	<b>Sólovariedadessin lóbuloslaterales: Labio:forma</b>		
PQ	elliptic		elliptique	elliptisch	elíptica	Stardust 'Chiyomi'	1
	circular		arrondi	rund	circular	PinkBeauty 'Queen'	2
	transverseelliptic		elliptiquetransversale	querelliptisch	elípticatransversal		3
<b>73.</b>	(c) <b>Varietieswithout laterallobesonly:</b> (*) (+) <b>Lip: overlappingo f basalpart</b>		<b>Variétéssanslobes latérauxseulement: Labelle: chevauchementdela partiebasale</b>	<b>NurSortenohne Seitenlappen:Lippe: Überlappendes basalenTeils</b>	<b>Sólovariedadessin lóbuloslaterales: Labio:solapadode lapartebasal</b>		
QL	absent		absent	fehlend	ausente	Stardust 'Chiyomi'	1
	present		présent	vorhanden	presente		9

		English	français	deutsch	español	Example Varieties	Note/ Nota
						Exemples Beispielssorten Variedades ejempl	
<b>74.</b>	(c)	<b>Varietieswith laterallobesonly: Lip: shapeoflateral lobe</b>	<b>Variétésaveclobes latérauxseulement: Labelle:formedu lobelatéral</b>	<b>NurSortenmit Seitenlappen:Lippe: Formdes Seitenlappens</b>	<b>Sólovariedades conlóbulos laterales:Labio: formadellóbulo lateral</b>		
<b>PQ</b>		triangular	triangulaire	dreieckig	triangular		1
		ovate	ovale	eiförmig	oval		2
		narrowtrapezoid	trapézoïdalétroit	schmaltrapezförmig	trapezoidalestrecha		3
		broadtrapezoid	trapézoïdallarge	breittrapezförmig	trapezoidalancha		4
<b>75.</b>	(c)	<b>Varietieswith laterallobesonly: Lip: shapeofapical lobe</b>	<b>Variétésaveclobes latérauxseulement: Labelle:formedu lobeapical</b>	<b>NurSortenmi t Seitenlappen:Lippe: Formdesapikal Lappens</b>	<b>Sólovariedades conlóbulos laterales:Labio: formadellóbulo apical</b>		
<b>PQ</b>		reniform	réniforme	nierenförmig	reniforme		1
		rhombic	losangique	rautenförmig	rómica		2
		transverseelliptic	elliptiquetrans versale	querelliptisch	elípticatransversal		3
		elliptic	elliptique	elliptisch	elíptica		4
<b>76.</b>	(c)	<b>Lip: typeofcurving</b>	<b>Labelle:typede courbure</b>	<b>Lippe:Typder Biegung</b>	<b>Labio:tipode curvatura</b>		
<b>PQ</b>		typeI	typeI	TypI	tipoI		1
		typeII	typeII	TypII	tipoII		2
		typeIII	typeIII	TypIII	tipoIII		3
		typeIV	typeIV	TypIV	tipoIV		4
		typeV	typeV	TypV	tipoV		5
		typeVI	typeVI	TypVI	tipoVI		6
<b>77.</b>	(c)	<b>Lip: presenceofeye</b>	<b>Labelle:présence d'unœil</b>	<b>Lippe: Vorhandenseindes Kelchs</b>	<b>Labio:presencia deojos</b>		
<b>QL</b>		absent	absent	fehlend	ausente	EnobiKomachi 'Shirayukihime'	1
		present	présent	vorhanden	presente	Fantasia'King'	9

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>78.</b>	(c) <b>Lip: shapeofeye</b> (*) (+)	<b>Labelle:formede l'œil</b>	<b>Lippe:Formdes Kelchs</b>	<b>Labio:Formadel ojo</b>		
<b>PQ</b>	typeI	typeI	TypI	tipoI		1
	typeII	typeII	TypII	tipoII		2
	typeIII	typeIII	TypIII	tipoIII		3
	type IV	type IV	TypIV	tipoIV		4
<b>79.</b>	(c) <b>Lip:numberof colors</b> (*) (e)	<b>Labelle:nombredcouleurs</b>	<b>Lippe:Anzahl Farben</b>	<b>Labio:númerode colores</b>		
<b>QL</b>	one	une	eine	uno		1
	two	deux	zwei	dos	SnowCap 'Love Song'	2
	three	trois	drei	tres		3
	four	quatre	vier	cuatro		4
	five	cinq	fünf	cinco		5
	morethan five	plusdecinq	mehralsfünf	másdecinco		6
<b>80.</b>	(c) <b>Lip:color pattern</b> (*) (e) <b>(exceptmiddlepart, eyeandthroat)</b>	<b>Labelle:répartition delacouleur(sauf partiecentrale,œil etgorge)</b>	<b>Lippe: Farbverteilung (außermittlerer Teil,Kelchund Schlund)</b>	<b>Labio: distribución del color(exceptoen lapartecentral,el ojo y lagarganta)</b>		
<b>QL</b>	self-colored	unicolore	gleichfarbig	delmismocolor		1
	shaded	dégradée	schattiert	sombreado	SnowCap 'Love Song'	2
	edged	bordée	gerändert	ribeteado	PinkBeauty 'Queen'	3
	striped	striée	gestreift	estriado		4
	netted	réticulée	netzartig	reticulado		5
	spotted	tachetée	fleckig	manchado		6
	shaded and striped	dégradéetstriée	schattiertund gestreift	sombreadoy estriado		7
	shaded andnetted	dégradéetréticulée	schattiertund netzartig	sombreadoy reticulado		8
	shaded andspotted	dégradéettaches	schattiertundfleckig	sombreadoy manchado		9

	English	français	deutsch	español	Example Varieties	Note/ Nota
					Exemples Beispielssorten Variedades ejempl	
<b>81.</b>	(c) Shaded varieties (e) only: Lip: extent of shading	Variétés dégradées seulement: étendue du dégradé	Nurschattierte Sorten: Lippe: Ausdehnung der Schattierung	Sólo variedades sombreadas: Labio: alcance del sombreado		
<b>QN</b>	small	petit	gering	pequeño		3
	medium	moyen	mittel	medio		5
	large	grand	groß	grande	SnowCap 'Love Song'	7
<b>82.</b>	(c) Lip: main color (e)	Labelle: couleur principale	Lippe: Hauptfarbe:	Labio: color principal		
<b>PQ</b>	RHSColourChart (indicate reference number)	Code RHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		
<b>83.</b>	(c) Lip: color of middle part (e) (+)	Labelle: couleur de la partie médiane	Lippe: Farbe des mittleren Teils	Labio: color de la parte central		
<b>PQ</b>	RHSColourChart (indicate reference number)	Code RHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		
<b>84.</b>	(c) Shaded varieties (e) only: Lip : color of shading	Variétés dégradées seulement: Labelle: couleur du dégradé	Nurschattierte Sorten: Lippe: Farbe der Schattierung	Sólo variedades sombreadas: Labio: color del sombreado		
<b>PQ</b>	RHSColourChart (indicate reference number)	Code RHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		
<b>85.</b>	(c) Edged varieties (e) only: Lip: color of edging	Variétés bordées seulement: Labelle: couleur de la bordure	Nur geränderte Sorten: Lippe: Farbe der Ränderung	Sólo variedades ribeteadas: Labio: color del ribeteado		
<b>PQ</b>	RHSColourChart (indicate reference number)	Code RHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejempl	Note/ Nota
86.	(c) Striped varieties (e) only:Lip : colorof stripes	Variétés striées seulement:Labelle: couleur des stripes	Nur gestreifte Sorten:Lippe: Farbeder Streifen	Sólo variedades estriadas:Labio: color de las estrías			
PQ	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)			
87.	(c) Netted varieties (e) only:Lip : colorof netting	Variétés réticulées seulement:Labelle: couleur de la réticulation	Nur netzartige Sorten:Lippe: Farbedes Netzes	Sólo variedades reticuladas:Labio: color del reticulado			
PQ	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)			
88.	(c) Spotted varieties (e) only:Lip : colorof spots	Variétés tachetées seulement:Labelle: couleur des taches	Nur fleckige Sorten: Lippe:Farbeder Flecken	Sólo variedades manchadas: Labio:color de las manchas			
PQ	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.	(c) Varieties with eye (e) only:Lip : colorof eye	Variétés avec œil seulement:Labelle: couleur de l'œil	Nur Sorten mit Kelch:Lippe:Farbe des Kelchs	Sólo variedades con ojo:Labio: color del ojo			
PQ	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)			
90.	(c) Varieties with different colored throat only:Lip : color of throat	Variétés avec gorgée de couleur différente seulement:Labelle: couleur de la gorgée	Nur Sorten mit verschiedenen-farbigem Schlund:Lippe:Farbe des Schlundes	Sólo variedad es con garganta de diferentes colores: Labio:color de la garganta			
PQ	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 ejempl	Note/ Nota
<b>91.</b>	(c) <b>Lip: twisting</b>	<b>Labelle:torsion</b>	<b>Lippe:Drehung</b>	<b>Labio:torsión</b>		
	(*)					
QN	absentorweak	nulleoufaible	fehlendodergering	ausenteodébil	EnobiKomachi 'Shirayukihime'	1
	intermediate	moyenne	mittel	intermedia		2
	strong	forte	stark	fuerte		3
<b>92.</b>	(c) <b>Lip:undulationof margin</b>	<b>Labelle:ondulation dubord</b>	<b>Lippe:Randwellung</b>	<b>Labio:ondulación delmargen</b>		
	(*)					
QN	absentorweak	nulleoufaible	fehlendodergering	ausenteodébil	EnobiParade 'Milky Way'	1
	intermediate	moyenne	mittel	intermedia	Stardust 'Chiyomi'	2
	strong	forte	stark	fuerte	PinkBeauty 'Queen'	3
<b>93.</b>	(c) <b>Lip: fringingof margin</b>	<b>Labelle:frangedu bord</b>	<b>Lippe:Randfransen</b>	<b>Labio:orla del margen</b>		
	(*)					
QN	absentorvery fine	nulleoutrèsfine	fehlendodersehrfein	ausenteomuyfino	EnobiKomachi 'Shirayukihime'	1
	fine	fine	fein	fin		3
	medium	moyenne	mittel	medio		5
	coarse	grossière	grob	burdo		7
<b>94.</b>	(c) <b>Lip: callus</b>	<b>Labelle:callosité</b>	<b>Lippe: Kallusbildung</b>	<b>Labio:callo</b>		
	(*)					
QL	absent	absente	fehlend	ausente		1
	present	présente	vorhanden	presente	<i>Dendrobiumbellatulum</i>	9
<b>95.</b>	(c) <b>Lip: pubescence</b>	<b>Labelle:pilosité</b>	<b>Lippe:Behaarung</b>	<b>Labio: pubescencia</b>		
	(*)					
QN	absentorweak	nulleoufaible	fehlendodergering	ausenteodébil		1
	intermediate	moyenne	mittel	intermedia		2
	strong	forte	stark	fuerte	<i>Dendrobium'Parishii'</i>	3

					Example Varieties	
	English	français	deutsch	español	Exemples Beispielssorten Variedades ejempl	Note/ Nota
<b>96.</b>	<b>(c) Column:length</b>	<b>Colonnette: longueur</b>	<b>Säule:Länge</b>	<b>Columna:longitud</b>		
<b>QN</b>	short	courte	kurz	corta		3
	medium	moyenne	mittel	media		5
	long	longue	lang	larga		7
<b>97.</b>	<b>(f) Column: colorof anthercap</b>	<b>Colonnette:couleur dusommetdes anthères</b>	<b>Säule:Farbeder Antherenkappe</b>	<b>Columna:colorde lacaperuzadela antera</b>		
<b>PQ</b>	RHSColourChart (indicate reference number)	CodeRHS des couleurs(indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS(indique el número de referencia)		
<b>98.</b>	<b>(c) Timeof flowering</b>	<b>Époque defloraison</b>	<b>Zeitpunkt der Blüte</b>	<b>Época de floración</b>		
<b>PQ</b>	early winter	début de l'hiver	früher Winter	aprinicios de invierno		1
	mid winter	milieu de l'hiver	mittend im Winter	amediad os de invierno		2
	spring	printemps	Frühjahr	en primavera		3
	summer	été	Sommer	en verano		4
	autumn	automne	Herbst	en otoño		5

8. Explanations on the Table of Characteristics

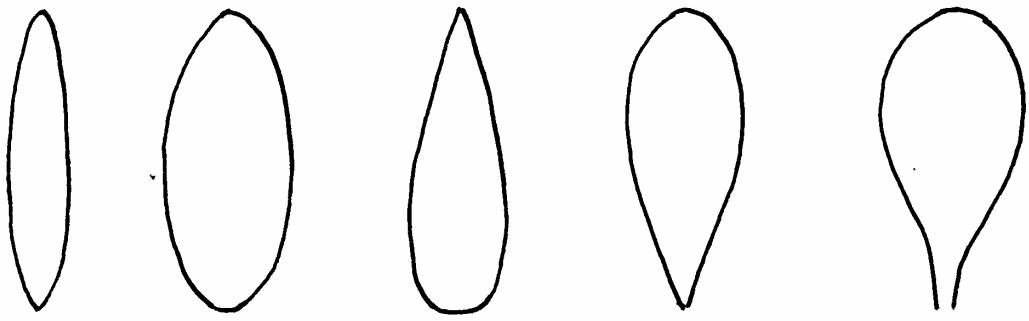
8.1 *Explanations covering several characteristics*

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

- (a) Observations on the pseudobulb should be made on the flowering pseudobulb.
- (b) Observations on the leaf should be made on the longest leaf of a flowering pseudobulb.
- (c) Observations on the inflorescence and the flower should be made at the time when 50% of the flowers on the inflorescence have opened, on the most recently fully opened flower on the inflorescence before the color starts to fade.
- (d) Observations on the length and width of the flower and parts of the flower should be made on the unextended organ.
- (e) Observations on the color of the sepal, the petal and the lip should be made on the inner side.

8.2 *Explanations for individual characteristics*

Ad. 10: Leaf: shape



1  
narrow  
elliptic

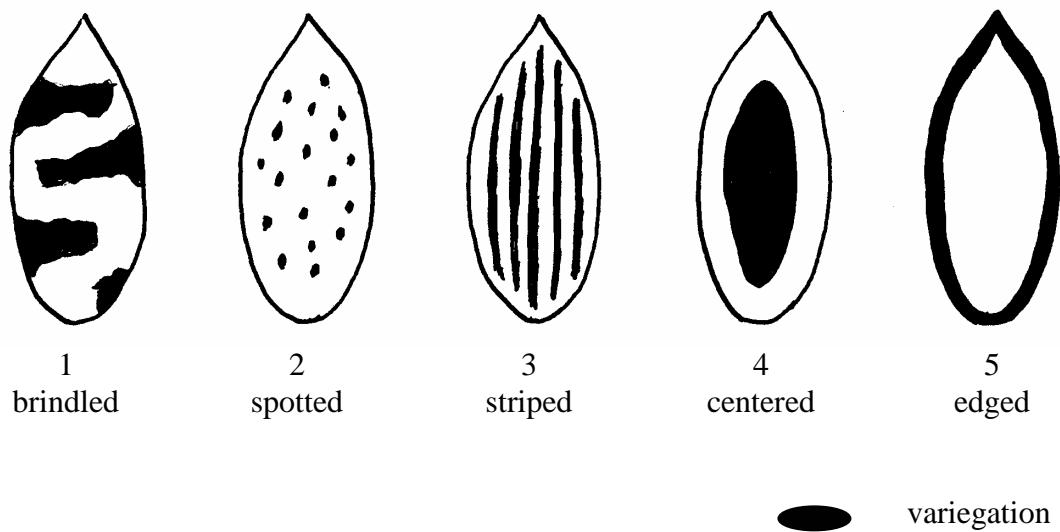
2  
elliptic

3  
narrow  
ovate

4  
narrow  
obovate

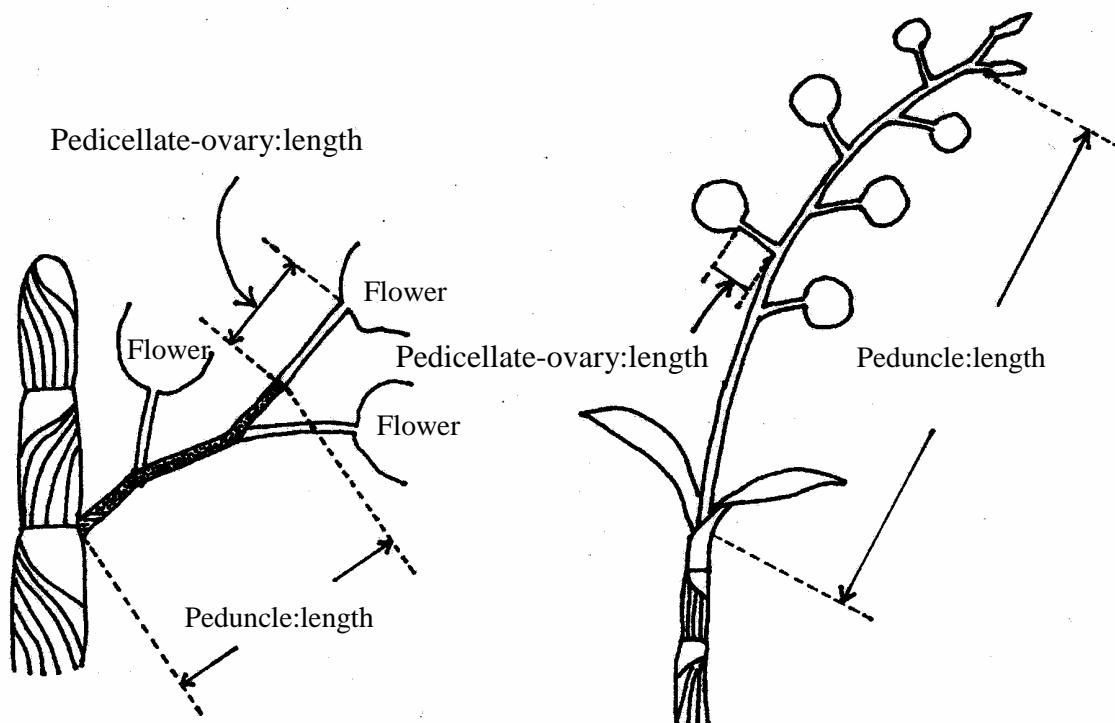
5  
spatulate

Ad. 13: Leaf: type of variegation

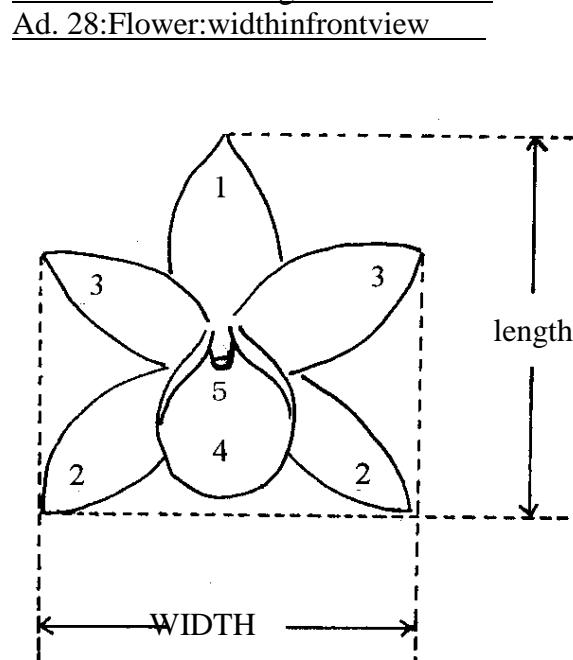


Ad. 20: Peduncle:length

Ad. 23: Pedicellate-ovary:length



Ad. 27: Flower: lengthinfrontview

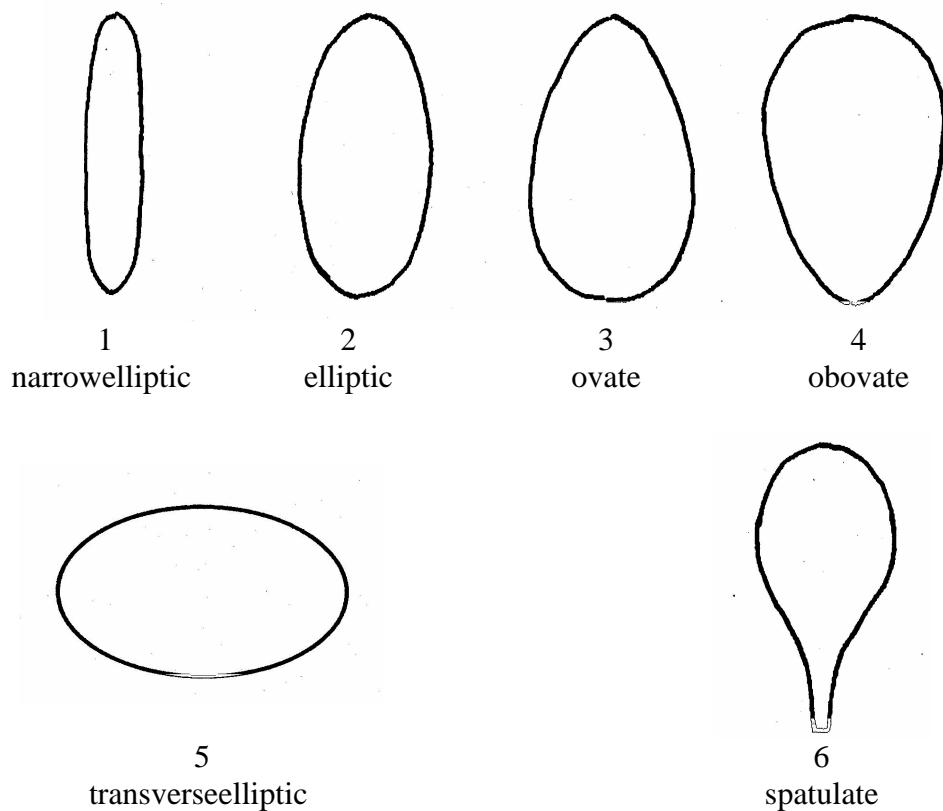


1:Dorsalsepal  
2:Lateralsepal  
3:Petal  
4:Lip  
5:Column

Ad. 33:Dorsalsepal:shape

Ad.40: Lateral sepal :shape

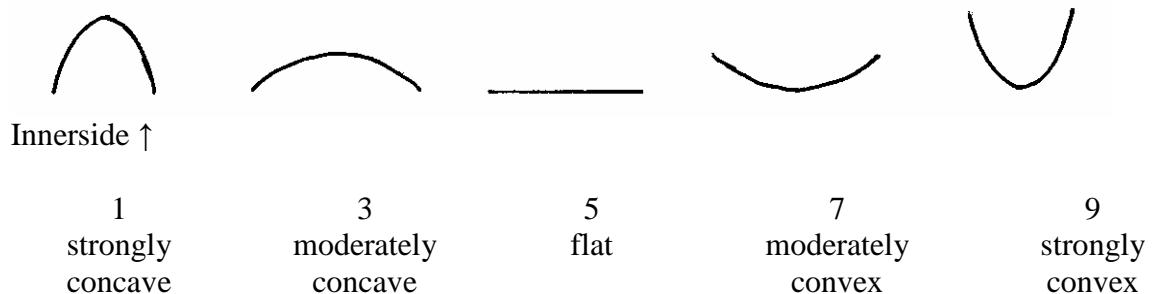
Ad.56:Petal: shape



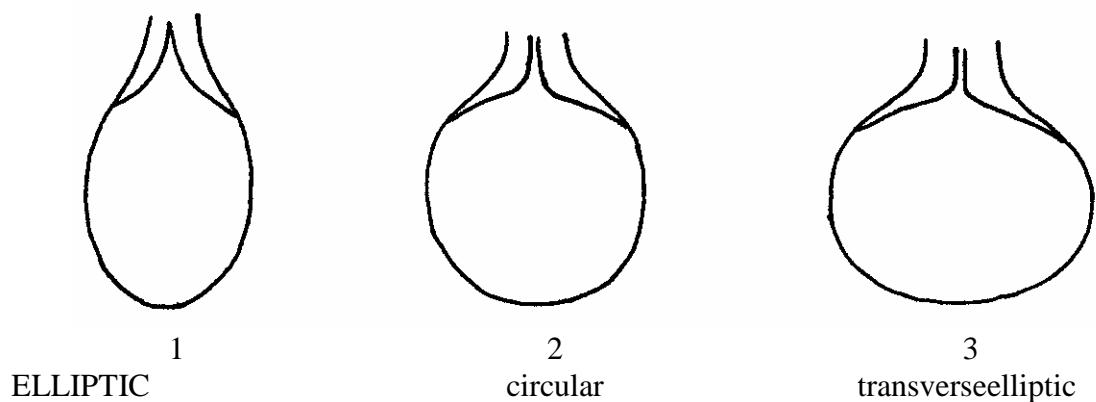
Ad.34:Dorsalsepal:shapeincrosssection

Ad.41:Lateralsepal:shapeincrosssection

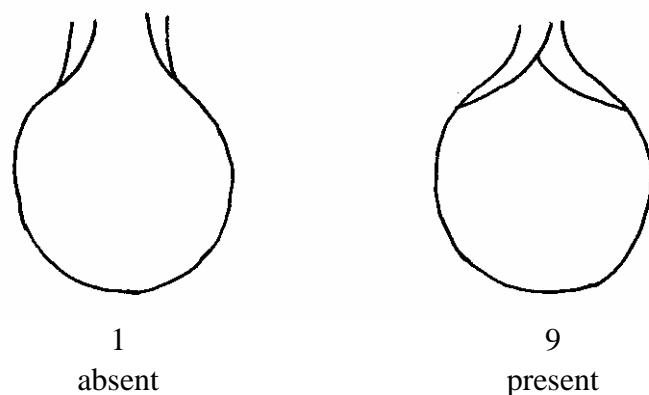
Ad.57:Petal:shape incrosssection



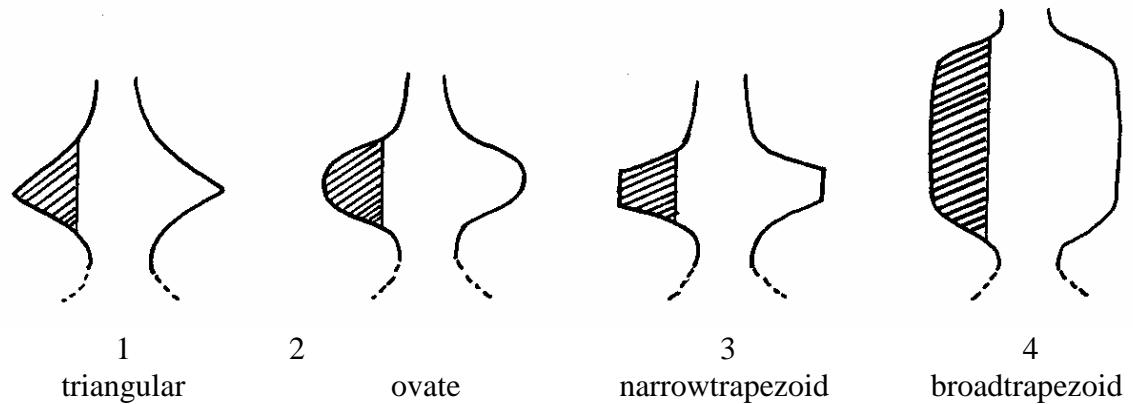
Ad. 72:Varietieswith outlaterallobes only:Lip:shape



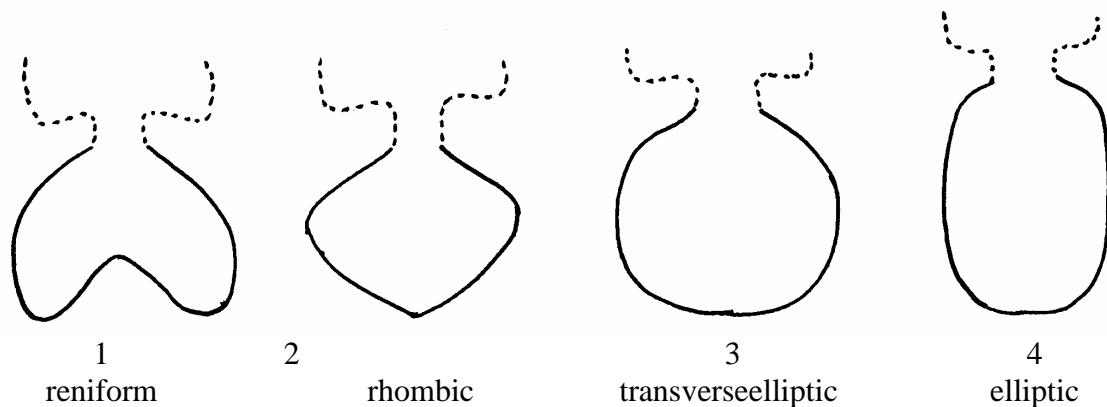
Ad.73:Varietieswith outlaterallobes only:Lip: overlappingofbasalpart



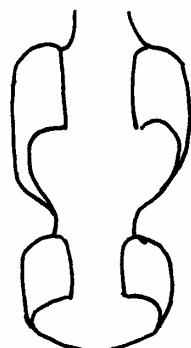
Ad.74: Varieties with lateral lobes only: Lip: shape of lateral lobe



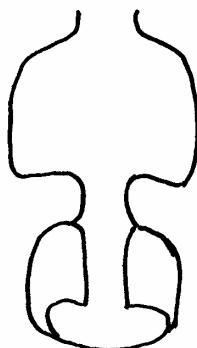
Ad.75: Varieties with lateral lobes only: Lip: shape of apical lobe



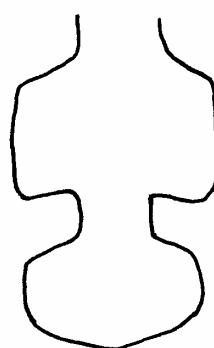
Ad. 76: Lip: typeof curving



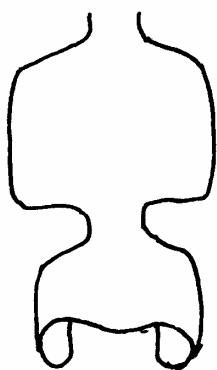
1  
typeI



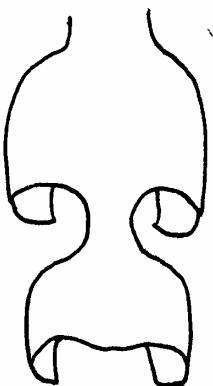
2  
typeII



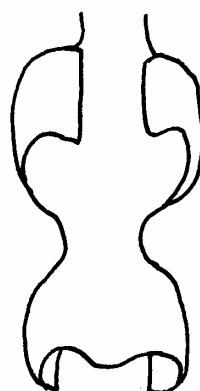
3  
typeIII



4  
typeIV

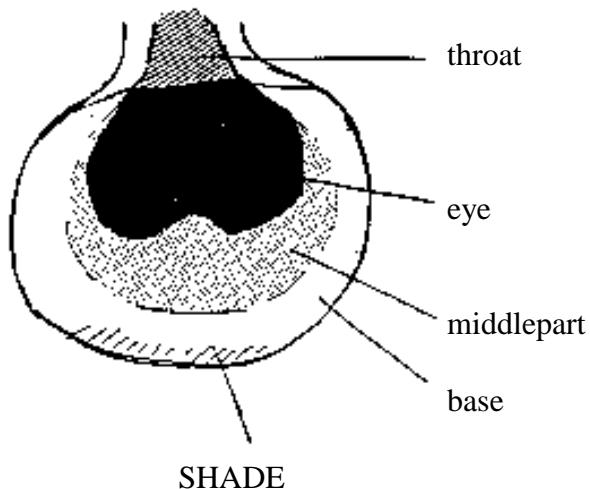


5  
typeV

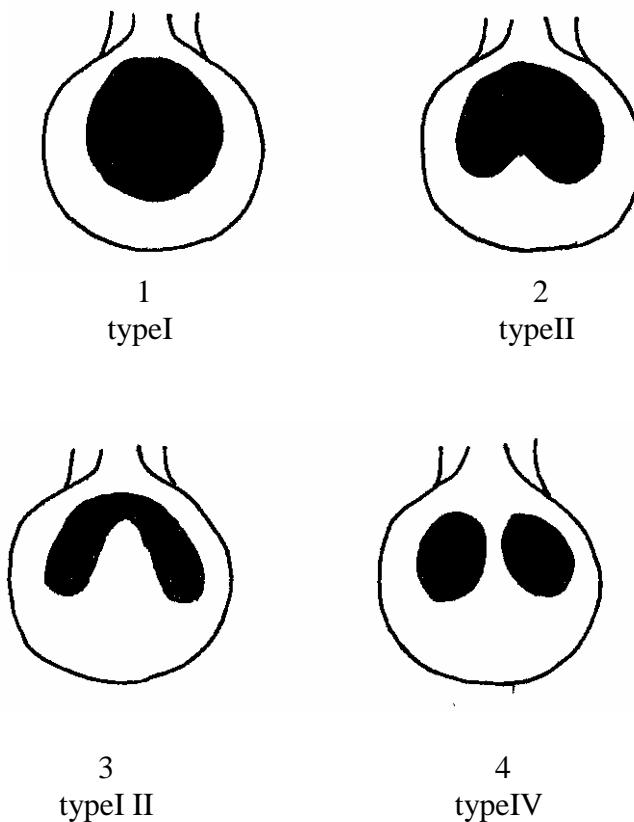


6  
typeVI

Ad.77:Lip:presenceof eye  
Ad.83: Lip:colorof middlepart



Ad.78:Lip:shapeofeye



Ad.97:Column:colorofanthercap

Observations on the color of the column should be made on the dorsal side.

9. Literature

Encyclopedia of Horticulture, Seibun -Do Shinkosha, Tokyo, Japan (in Japanese), JP.

Karasawa, K., 1994: "Orchid Atlas", Vol. 4, Dendrobium, Orchid Atlas Publishing Society, c/o Yasaka Syobo, Inc., Tokyo, Japan, JP.

10. TechnicalQuestionnaire

TECHNICALQUESTIONNAIRE	Page{x}of{y}	ReferenceNumber:
		Applicationdate: (nottobefilledinbytheapplicant)
<p style="text-align:center">TECHNICALQUESTIONNAIRE tobecompletedinconnectionwithanapplicationforplantbreeders'rights</p>		
<p>1. SubjectoftheTechnicalQuestionnaire</p>		
1.1 Genus		
1.1.1 <i>LatinName</i>	<i>DendrobiumSw.</i>	
1.1.2 CommonName	<i>Dendrobium</i>	
1.2 Species(pl easecomplete)		
1.2.1 <i>LatinName</i>		
1.2.2 CommonName		
<p>2. Applicant</p>		
Name		
Address		
TelephoneNo.		
FaxNo.		
E-mailaddress		
Breeder(ifdifferentfromapplicant)		

TECHNICALQUESTIONNAIRE	Page{x}of{y}	ReferenceNumber:
<p>3. Proposeddenominatio nandbreeder'sreference</p> <p>Proposeddenomination (ifavailable) <input type="text"/></p> <p>Breeder'sreference <input type="text"/></p>		
<p>4. Informationonthebreedingschemeandpropagationofthevariety</p> <p>4.1 BreedingScheme</p> <p>Varietyresultingfrom:</p> <p>4.1.1 Crossing</p> <p>(a) controlledcro ss (pleaseestateparentvarieties) <input type="checkbox"/></p> <p>(b) partiallyunknowncross (pleaseestateknownparentvariety(ies)) <input type="checkbox"/></p> <p>(c) totallyunknowncross <input type="checkbox"/></p> <p>4.1.2 Mutation (pleaseestateparentvariety) <input type="checkbox"/></p> <p>4.1.3 Discovery (pleaseestatewhere,when andhowdeveloped) <input type="checkbox"/></p> <p>4.1.4 Other (pleaseprovidedetails) <input type="checkbox"/></p> <p>4.2 MethodofPropagatingtheVariety</p> <p>(a) cuttings <input type="checkbox"/></p> <p>(b) <i>invitro</i> propagation <input type="checkbox"/></p> <p>(c) other(statemethod) <input type="checkbox"/></p>		

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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	ExampleVarieties	Note
<b>5.1 Plant:size</b> (1)		
verysmall	EnobiKomachi 'Shirayukihime'	1[]
small	<i>Dendrobiumkingianum</i>	3[]
medium	WaveKing 'Akebono'	5[]
large	LuckyGirl 'Emiko'	7[]
verylarge		9[]
<b>5.2 Inflorescence:positionofflowers</b> (18)		
alongpeduncle	SnowCap 'Love Song'	1[]
apexonly	PinkBeauty 'Queen'	2[]
<b>5.3 Flower:lengthinfrontview</b> (27)		
short	EnobiKomachi 'Shirayukihime'	3[]
medium	LuckyGirl 'Emiko'	5[]
long		7[]
<b>5.4 Flower:widthinfrontview</b> (28)		
narrow	EnobiKomachi 'Shirayukihime'	3[]
medium	LuckyGirl 'Emiko'	5[]
broad		7[]
<b>5.5 Lip:presenceoflateralalobe</b> (71)		
absent	Stardust 'Chiromi'	1[]
present	<i>Dendrobiumbellatulum</i>	9[]

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Characteristics	ExampleVarieties	Note
<b>5.6 Lip:presenceofeye</b> (77)		
absent	EnobiKomachi 'Shirayukihime'	1[]
present	Fantasia 'King'	9[]
<b>5.7 Lip:colorpattern(exceptmiddlepart,eyeandthroat)</b> (80)		
self-colored		1[]
shaded	SnowCap 'Love Song'	2[]
edged	PinkBeauty 'Queen'	3[]
striped		4[]
netted		5[]
spotted		6[]
shadedandst riped		7[]
shadedandnetted		8[]
shadedandspotted		9[]
<b>5.8i Lip:maincolor</b> (82)	RHSColourChart(indicaterefencenumber)	
<b>5.8ii Lip:maincolor</b> (82)		
green		1[]
white	EnobiKomachi 'Shirayukihime'	2[]
yellow	Stardust 'Chiyomi'	3[]
pink	SnowCap 'Love Song'	4[]
red		5[]
purple	QueenSoutheast 'CrystalQueen'	6[]
reddishbrown		7[]



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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 give details:

7.3 Other information

A representative color photograph 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.

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

Applicant's name

Signature

Date