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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

DRAFT**MANDEVILLA**

UPOV Code: MANDE
(MANDE_SAN ; MANDE_AMA)

Mandevilla Lindl.
Mandevilla sanderi (Hemsl.) Woodson
Mandevilla xamabilis

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-fourth session, to be held in Fukuyama City, Hiroshima prefecture, Japan,
from November 7 to 11, 2011*

Alternative Names: *

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Mandevilla</i> Lindl.				
<i>Mandevilla sanderi</i> (Hemsl.) Woodson				
<i>Mandevilla</i> <i>xamabilis</i>				

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 *Mandevilla Lindl.* with particular relevance to varieties of *Mandevilla sanderi (Hemsl.) Woodson* and *Mandevilla x amabilis*.

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 young plants capable of expressing all relevant characteristics of the variety during the first growing cycle.

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

10 young plants

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

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

3. Method of Examination

3.1 *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.

3.4 *Test Design*

3.4.1 Each test should be designed to result in a total of at least 10 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 10 plants or parts taken from each of 10 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 10 plants, 1 off-type is allowed.

4.3 *Stability*

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

4.3.2 Where appropriate, or in cases of doubt, stability may be further examined 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) Stem: length of internodes (characteristic 1)
- (b) Leaf: bulging between the veins (characteristic 18)
- (c) Corolla: diameter (characteristic 33)
- (d) Corolla: shape (characteristic 34)
- (e) Corolla lobe: main color of upper side (characteristic 46) with the following groups:
 - Gr. 1: white
 - Gr. 2: pink
 - Gr. 3: red
 - Gr. 4: purple red

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)-(d) 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 Plant: density						
QN (a)	sparse					3
	medium				Scarlet Pimpernel	5
	dense				Red Fantasy	7
2. VG Plant: amount of climbing tendrils						
(*)						
QN (a)	absent or few				Scarlet Pimpernel	1
	medium				Sunmandecrim	2
	many				Sunmandetomi	3
3. VG/ Stem: length of internode						
(*)						
(+)						
QN (a)	short					3
	medium					5
	long					7
4. VG Young stem: green color						
QN (a)	light					1
	medium					2
	dark					3
5. VG Young stem: anthocyanin coloration						
(*)						
QN (a)	absent or very weak					1
	weak					2
	medium					3
	strong					4

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6. (*)	VG Stem: pubescence	Tige:	Stiel:			
QL	(a) absent					1
	present					9
7. (*)	VG Leaf: arrangement					
QL	(b) opposite				Julie	1
	decussate				Sunmandetomi	2
8.	VG/ MG Petiole: length					
QN	(a) short					1
	(b) medium					2
	long					3
9.	VG Petiole: green color					
QN	(a) light					3
	(b) medium					5
	dark					7
10. (*)	VG Petiole: anthocyanin coloration					
QN	(a) absent or very weak					1
	weak					2
	(b) medium					3
	strong					4
11. (*)	VG Petiole: pubescence	Tige:	Stiel:			
QL	(a) absent					1
	(b) present					9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12.	MG	Leaf blade: length				
QN	(a)	short				3
	(b)	medium				5
		long				7
13.	MG	Leaf blade: width				
QN	(a)	narrow				3
	(b)	medium				5
		broad				7
14.	VG	Leaf blade: ratio length/ width				
QN	(a)	slightly elongated				1
	(b)	moderately elongated				2
		strongly elongated				3
15.	VG	Leaf blade: position of broadest part				
QN	(a)	towards apex				1
	(b)	at middle				2
		towards base				3
16.	VG	Leaf blade: shape of apex				
	(+)					
QN	(a)	cuspidate				1
	(b)	acute				2
17.	VG	Leaf blade: green color of upper side				
QN	(a)	light				3
	(b)	medium				5
		dark				7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
18.	VG	Leaf blade: glossiness of upper side				
QN	(a)	very weak				1
	(b)	medium				2
		strong				3
19.	VG	Leaf blade: bulging between the veins				
QN	(a)	absent or very weak				1
	(b)	weak				3
		medium				5
		strong				7
20.	VG	Leaf blade: pubescence of upper side				
QL	(a)	absent				1
	(b)	present				9
21.	VG	Leaf blade: green color of lower side				
QN	(a)	light				3
	(b)	medium				5
		dark				7
22.	VG	Leaf blade: pubescence of lower side				
QL	(a)	absent				1
	(b)	present				9
23.	VG	Leaf blade: shape in longitudinal section				
QN	(a)	incurving				3
	(b)	straight				5
		recurving				7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
24.	VG	Leaf blade: undulation of margin				
QN	(a)	absent or very weak				1
	(b)	weak				2
		medium				3
		strong				4
25.	MG	Pedicel: length				
QN	(a)	short				1
	(d)	medium				2
		long				3
26.	VG	Pedicel: green color				
QN	(a)	light				1
	(d)	medium				2
		dark				3
27.	VG	Pedicel: anthocyanin coloration				
QN	(a)	absent or weak				1
	(d)	medium				2
		strong				3
28.	VG	Pedicel: pubescence				
QL	(a)	absent				1
	(d)	present				9
29.	VG	Flower bud: shape				
PQ	(a)	trullate				1
	(c)	obtrullate				2

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
30. VG Flower: type						
QL	(a) single					1
	(d) double					9
31. MG Calyx: length						
QN	(a) short					1
	(d) medium					2
	long					3
32. VG Calyx: color of basal half						
PQ	(a) light green					1
	(d) medium green					2
	dark green					3
	light red					4
	medium red					5
	dark red					6
33. VG Calyx: color of distal half						
PQ	(a) light green					1
	(d) medium green					2
	dark green					3
	light red					4
	medium red					5
	dark red					6
34. MG Corolla: diameter						
	(+)					
QN	(a) small					3
	(d) medium					5
	large					7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35. VG	Corolla: shape					
PQ	(a)	funnelform				1
	(d)	campanulate				2
		salverform				3
36. MG	Corolla tube: length					
	(+)					
QN	(a)	short				1
	(d)	medium				2
		long				3
37. VG	Corolla tube: color of outer side					
PQ	(a)	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)	
	(d)					
38. MG	Corolla throat: length					
	(+)					
QN	(a)	short				1
	(d)	medium				2
		long				3
39. VG	Corolla throat: width of distal part					
	(+)					
QN	(a)	narrow				1
	(d)	medium				2
		broad				3
40. VG	Corolla throat: color of basal half of outer side					
PQ	(a)	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)	
	(d)					

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
41. VG	Corolla throat: color of distal half of outer side					
PQ	(a) RHS Colour Chart (indicate reference (d) number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
42.	Corolla throat: color of basal half of inner side					
PQ	(a) RHS Colour Chart (indicate reference (d) number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
43. VG	Corolla throat: color of distal half of inner side					
PQ	(a) RHS Colour Chart (indicate reference (d) number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
44. VG	Corolla lobe: shape					
PQ	(a) symmetric					1
	(d) asymmetric					2
45. VG	Corolla lobe: shape of apex					
PQ	(a) acuminate					1
	(d) acuminate to acute					2
	acute					3
46. VG	Corolla lobe: main color of upper side					
(+)						
PQ	(a) RHS Colour Chart (indicate reference (d) number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
47.	VG	Corolla lobe: secondary color of upper side				
(+)		none				1
PQ	(a)	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)	
	(d)					
48.	VG	Corolla lobe: recurving of margin				
QN	(a)	absent or very weak				1
		weak				3
		medium			Red Fantasy	5
		strong			Sunmandecrim	7
		very strong				9
49.	VG	Corolla lobe: undulation of margin				
QN	(a)	weak				1
	(d)	medium				2
		strong				3
50.	VG	Corolla lobe: shape in longitudinal section of distal part				
QN	(a)	concave				1
	(d)	straight				2
		convex				3
51.	VG	Filament: color				
PQ	(a)	yellowish white				1
	(d)	light yellow				2
		medium yellow				3
		light green				4
		medium green				5

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
52. VG Anther: color						
PQ (a)	white					1
(d)	light yellow					2
	light green					3
53. VG Ovary: color						
PQ (a)	white					1
(d)	light yellow					2
	light green					3

8. Explanations on the Table of Characteristics

8.1 *Explanations covering several characteristics*

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

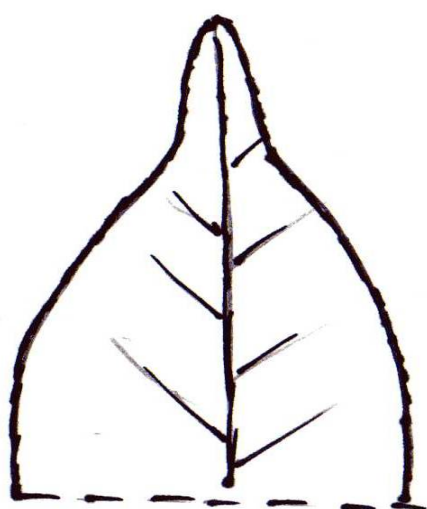
- (a) Observations on plant and stem should be made when 50% of flowers have opened on the third raceme.
- (b) Observations on leaves should be made on fully expanded leaves.
- (c) Observations on bud should be made just before opening of the bud
- (d) Observations on flowers and pedicel should be made on fully open flowers.

8.2 *Explanations for individual characteristics*

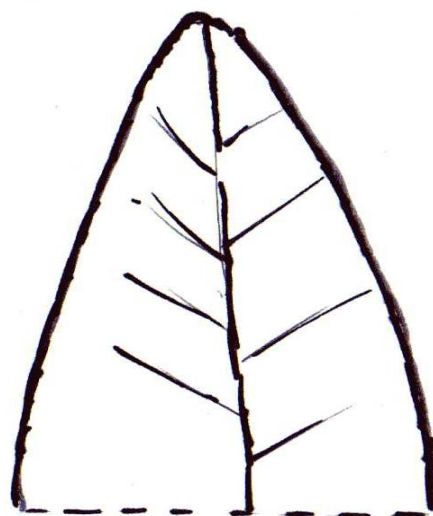
Ad. 3: Stem: length of internode

The length of the internode should be measured on the central part of the plant

Ad. 16: Leaf blade: shape of apex



1
cuspidate



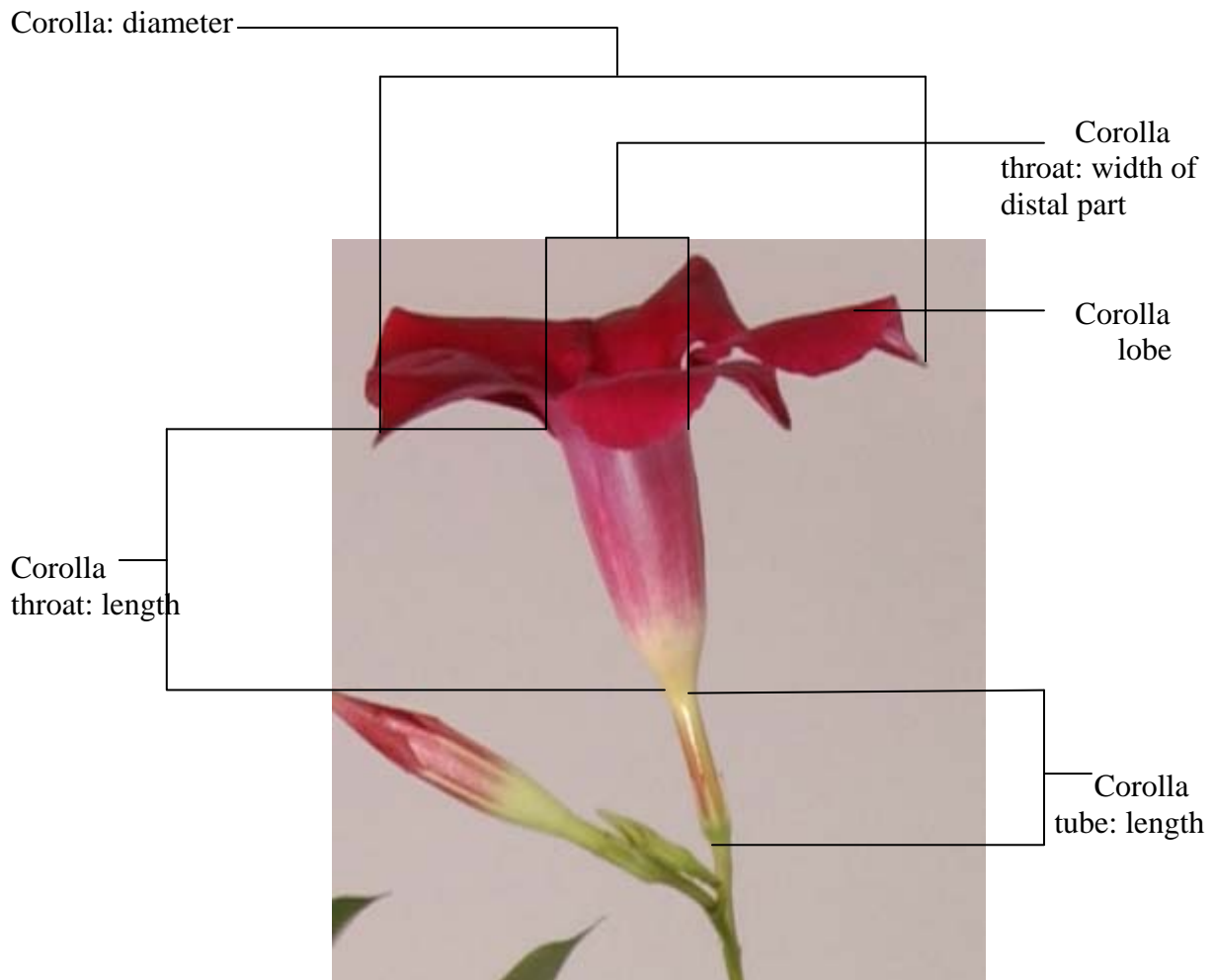
2
acute

Ad. 34: Corolla: diameter

Ad. 36: Corolla tube: length

Ad. 38: Corolla throat: length

Ad. 39: Corolla throat: width of distal part



Ad. 46: Corolla lobe: main color of upper side

Ad. 47: Corolla lobe: secondary 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 lightest color will be the main color.

9. Literature

Chittenden, F.J., Dictionary of Gardening. Oxford, GB.

Graf, A.B., Hortica. US

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<p style="text-align: center;">TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights</p>		
<p>1. Subject of the Technical Questionnaire</p> <p>1.1 Botanical name <input type="text" value="Mandevilla Lindl."/> <input type="text" value="Mandevilla sanderi (Hemsl.) Woodson"/></p> <p>1.2 Common name <input type="text" value="Mandevilla"/></p>		
<p>2. Applicant</p> <p>Name <input type="text"/></p> <p>Address <input type="text"/></p> <p>Telephone No. <input type="text"/></p> <p>Fax No. <input type="text"/></p> <p>E-mail address <input type="text"/></p> <p>Breeder (if different from applicant) <input type="text"/></p>		
<p>3. Proposed denomination and breeder's reference</p> <p>Proposed denomination (if available) <input type="text"/></p> <p>Breeder's reference <input type="text"/></p>		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>#4. Information on the breeding scheme and propagation of the variety</p> <p>4.1 Breeding scheme</p> <p>Variety resulting from:</p> <p>4.1.1 Crossing</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>(a) controlled cross (please state parent varieties)</p> <p>(.....) x (.....) female parent male parent</p> <p>(b) partially known cross (please state known parent variety(ies))</p> <p>(.....) x (.....) female parent male parent</p> <p>(c) unknown cross</p> </div> <div style="width: 35%; text-align: right;"> <p>[]</p> <p>[]</p> <p>[]</p> </div> </div> <p>4.1.2 Mutation (please state parent variety)</p> <div style="border: 1px solid black; height: 30px; margin-top: 10px;"></div> <p>4.1.3 Discovery and development (please state where and when discovered and how developed)</p> <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div> <p>4.1.4 Other (please provide details)</p> <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div>		

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:
<p>4.2 Method of propagating the variety</p> <p>4.2.1 Vegetative propagation</p> <p>(a) cuttings []</p> <p>(b) <i>in vitro</i> propagation []</p> <p>(c) other (state method) []</p> <div></div> <p>4.2.2 Other [] (please provide details)</p> <div></div>		

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
<p>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).</p>			
Characteristics	Example Varieties	Note	
5.1 Stem: length of internode (3)			
short		1[]	
medium		2[]	
tall		3[]	
5.2 Leaf blade: bulging between the veins (19)			
absent		1[]	
present		9[]	
5.3 Corolla lobe: main color of upper side (46)			
white		1[]	
pink		2[]	
red		3[]	
purple red		4[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:																					
<p>6. Similar varieties and differences from these varieties</p> <p><i>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.</i></p> <table border="1"> <thead> <tr> <th>Denomination(s) of variety(ies) similar to your candidate variety</th> <th>Characteristic(s) in which your candidate variety differs from the similar variety(ies)</th> <th>Describe the expression of the characteristic(s) for the similar variety(ies)</th> <th>Describe the expression of the characteristic(s) for your candidate variety</th> </tr> </thead> <tbody> <tr> <td><i>Example</i></td> <td><i>Plant: height</i></td> <td><i>short</i></td> <td><i>tall</i></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Comments:</p>				Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety	<i>Example</i>	<i>Plant: height</i>	<i>short</i>	<i>tall</i>												
Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety																				
<i>Example</i>	<i>Plant: height</i>	<i>short</i>	<i>tall</i>																				

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>#7. Additional information which may help in the examination of the variety</p> <p>7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(If yes, please provide details)</p> <p>7.2 Are there any special conditions for growing the variety or conducting the examination?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(If yes, please provide details)</p> <p>7.3 Other information</p> <div style="margin-left: 40px;"> <p>7.3.1 Main use</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 70%;"> <p>(a) garden plant</p> <p>(b) pot plant</p> <p>(c) cut-flower</p> <p>(d) other</p> <p>(please provide details)</p> </div> <div style="width: 25%;"> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> </div> </div> <p>7.3.2 A representative color image of the variety should accompany the Technical Questionnaire.</p> </div>		
<p>8. Authorization for release</p> <p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(b) Has such authorization been obtained?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p>		

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:												
<p>9. Information on plant material to be examined or submitted for examination.</p> <p>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.</p> <p>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:</p> <table style="width: 100%; border: none;"><tr><td style="width: 70%;">(a) Microorganisms (e.g. virus, bacteria, phytoplasma)</td><td style="width: 15%;">Yes [<input type="checkbox"/>]</td><td style="width: 15%;">No [<input type="checkbox"/>]</td></tr><tr><td>(b) Chemical treatment (e.g. growth retardant, pesticide)</td><td>Yes [<input type="checkbox"/>]</td><td>No [<input type="checkbox"/>]</td></tr><tr><td>(c) Tissue culture</td><td>Yes [<input type="checkbox"/>]</td><td>No [<input type="checkbox"/>]</td></tr><tr><td>(d) Other factors</td><td>Yes [<input type="checkbox"/>]</td><td>No [<input type="checkbox"/>]</td></tr></table> <p>Please provide details for where you have indicated “yes”.</p> <p>.....</p>			(a) Microorganisms (e.g. virus, bacteria, phytoplasma)	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]	(b) Chemical treatment (e.g. growth retardant, pesticide)	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]	(c) Tissue culture	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]	(d) Other factors	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]
(a) Microorganisms (e.g. virus, bacteria, phytoplasma)	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]												
(b) Chemical treatment (e.g. growth retardant, pesticide)	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]												
(c) Tissue culture	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]												
(d) Other factors	Yes [<input type="checkbox"/>]	No [<input type="checkbox"/>]												
<p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:</p> <table style="width: 100%; border: none;"><tr><td style="width: 30%;">Applicant's name</td><td style="border: 1px solid black; width: 60%; height: 20px;"></td></tr><tr><td>Signature</td><td style="border: 1px solid black; width: 35%; height: 20px;"></td><td style="width: 10%;"></td><td>Date</td><td style="border: 1px solid black; width: 20%; height: 20px;"></td></tr></table>			Applicant's name		Signature			Date						
Applicant's name														
Signature			Date											

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