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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

ABELIA

UPOV Code(s): ABELI

Abelia R. Br.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

*prepared by experts from France
 to be considered by the
 Enlarged Editorial Committee
 at its meeting, to be held in Geneva,
 from 2017-01-11 to 2017-01-12*

Disclaimer: this document does not represent UPOV policies or guidance

Alternative names:*

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Abelia</i> R. Br.	Abelia	Abelia	Abelie	Abelia

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.

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Abelia* R. Br.

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 plants capable of flowering and 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:
- 6 plants
- 2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.
- 2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. Method of Examination

3.1 *Number of Growing Cycles*

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

3.2 *Testing Place*

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

3.3 *Conditions for Conducting the Examination*

- 3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.
- 3.3.2 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background. The color chart and version used should be specified in the variety description.

3.4 *Test Design*

- 3.4.1 Each test should be designed to result in a total of at least 6 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 or parts of plants to be Examined

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

4.1.5 Method of Observation

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

MG: single measurement of a group of plants or parts of plants

MS: measurement of a number of individual plants or parts of plants

VG: visual assessment by a single observation of a group of plants or parts of plants

VS: visual assessment by observation of individual plants or parts of plants

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

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

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

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

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

4.2 *Uniformity*

- 4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines:
- 4.2.2 For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 6 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) Plant: growth habit (characteristic 1)
 - (b) Plant: height in relation to width (characteristic 2)
 - (c) Young shoot: anthocyanin coloration (characteristic 5)
 - (d) Leaf blade: main color (characteristic 12)
 - Gr. 1: green
 - Gr. 2: yellow
 - Gr. 3: green
 - Gr. 4: grey green
 - Gr. 5: purple green
 - (e) Leaf blade: secondary color (characteristic 13)
 - Gr. 1: white
 - Gr. 2: pinkish white
 - Gr. 3: yellow
 - Gr. 4: yellow red
 - (f) Sepal: color (characteristic 21)
 - Gr. 1: greenish
 - Gr. 2: pinkish white
 - Gr. 3: light pink
 - Gr. 4: orange pink
 - Gr. 5: reddish
 - (g) Corolla lobe: main color of outer side (characteristic 27)
 - Gr. 1: white
 - Gr. 2: pink
 - Gr. 3: violet

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

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1	2	3	4	5	6	7	
Name of characteristics in English		Nom du caractère en français		Name des Merkmals auf Deutsch		Nombre del carácter en español	
states of expression		types d'expression		Ausprägungsstufen		tipos de expresión	

1 Characteristic number

2 (*) Asterisked characteristic – see Chapter 6.1.2

3 Type of expression

QL Qualitative characteristic – see Chapter 6.3

QN Quantitative characteristic – see Chapter 6.3

PQ Pseudo-qualitative characteristic – see Chapter 6.3

4 Method of observation (and type of plot, if applicable)

MG, MS, VG, VS – see Chapter 4.1.5

5 (+) See Explanations on the Table of Characteristics in Chapter 8.2

6 (a)-(i) See Explanations on the Table of Characteristics in Chapter 8.1

7 Not applicable

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

	English		français		deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1. (*)	PQ	VG	(+)	(a)				
	Plant: growth habit							
		upright					Edward Goucher	1
		semi-upright					Minaud	2
		rounded					Minpan	3
		spreading					Lynn	4
2. (*)	QN	VG		(a)				
	Plant: height in relation to width							
		taller than broad					Edward Goucher, Sherwood	1
		as tall as broad					Minpan	2
		broader than tall					Rupestri	3
3.	QN	VG	(+)	(a)				
	Plant: density							
		sparse					Francis Mason	1
		sparse to medium					Semperflorens	2
		medium					Edward Goucher	3
		medium to dense					Sherwood	4
		dense					Minpan	5
4.	PQ	VG		(a)				
	One-year-old-Stem: color							
		light brown						1
		dark brown						2
		reddish					Edward Goucher	3
5. (*)	QN	VG						
	Young shoot: anthocyanin coloration							
		absent or very weak					White Surprise	1
		weak					Minaud	2
		medium					Edward Goucher	3
		strong					Snowdrift	4
		very strong					Rupestri	5

	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	PQ	VG	(c)				
	Young leaf blade: main color on upper side						
	RHS Colour Chart (indicate reference number)						
7.	PQ	VG	(d)				
	Young leaf blade: secondary color on upper side						
	RHS Colour Chart (indicate reference number)						
8.	QN	MG/VG	(e), (f)				
	Leaf blade: length						
	very short					Lynn, Minpan	1
	short						2
	medium					Edward Goucher	3
	long						4
	very long						5
9.	QN	MG/VG	(e), (f)				
	Leaf blade: width						
	very narrow					Lynn, Minpan	1
	narrow						2
	medium					Edward Goucher	3
	broad						4
	very broad						5
10. (*)	QN	MG/VG	(e), (f)				
	Leaf blade: ratio length/width						
	very low						1
	low						2
	medium						3
	high						4
	very high						5

	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
11. (*)	PQ	VG	(e), (f)				
	Leaf blade: shape						
	lanceolate						1
	ovate						2
	elliptic						3
	obovate						4
12. (*)	PQ	VG	(+)	(c), (e)			
	Leaf blade: main color						
	RHS Colour Chart (indicate reference number)						
13. (*)	PQ	VG	(d), (e)				
	Leaf blade: secondary color						
	RHS Colour Chart (indicate reference number)						
14. (*)	PQ	VG	(+)	(d), (e)			
	Leaf blade: distribution of secondary color						
	none					Edward Goucher	1
	on margin only					Wevo2	2
	marginal zone					Keylib	3
	central zone						4
	irregular					Francis Mason	5
15. (*)	PQ	VG	(+)	(e)			
	Leaf blade: tertiary color						
	none					Edward Goucher	1
	white						2
	green						3
	yellow						4
	pink					Keylib	5
	red						6

	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16.	PQ	VG	(e)				
	Leaf blade: distribution of tertiary color						
	none					Edward Goucher	1
	on margin only					Minpan	2
	irregular					Keylib	3
17.	QN	VG	(e)				
	Leaf blade: undulation						
	absent or weak						1
	medium						2
	strong						3
18. (*)	QN	VG	(e)				
	Leaf blade: glossiness						
	absent or weak					Panaché	1
	medium					Edward Goucher	2
	strong					Snowdrift	3
19.	QN	VG	(+)	(e)			
	Leaf blade: blistering						
	absent or weak						1
	medium						2
	strong						3
20. (*)	PQ	VG	(+)				
	Flower bud: color						
	RHS Colour Chart (indicate reference number)						
21. (*)	PQ	VG	(g), (h)				
	Sepal: color						
	greenish						1
	light pink					Gold Spot	2
	orange pink					Minaud	3
	reddish					Edward Goucher	4

	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
22. (*)	QN	MG	(g), (h)				
	Sepal: number						
	only two					Edward Goucher	1
	only four					Francis Mason	2
	only five						3
	two to five					Minaud	4
23.	QN	VG	(+)	(g), (h)			
	Sepal: width						
	narrow						1
	medium						2
	broad					Lynn	3
24. (*)	QN	VG	(+)	(g)			
	Corolla lobe: attitude						
	erect					Raspberry profusion	1
	semi-erect					Edward Goucher	2
	horizontal					Sherwood	3
25.	QN	MG/VG	(+)	(g)			
	Corolla: length						
	very short						1
	short					Panaché	3
	medium					Minaud	5
	long						7
	very long					Lynn	9
26.	QN	MG/VG	(+)	(g)			
	Corolla: diameter						
	narrow					Panaché	1
	medium					Minaud	2
	broad					Lynn	3
27. (*)	PQ	VG	(c), (g), (i)				
	Corolla lobe: main color of outer side						
	RHS Colour Chart (indicate reference number)						

	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
28. (*)	PQ	VG	(c), (g), (i)				
	Corolla lobe: main color of inner side						
	RHS Colour Chart (indicate reference number)						
29. (*)	QN	VG	(g)				
	Corolla tube: length						
	short					Minpan	1
	medium					Kaleidoscope	2
	long						3
30. (*)	QL	VG	(+)	(g)			
	Corolla throat: blotches						
	absent					Sherwood	1
	present					Minduo1	9
31.	QN	VG	(g)				
	Corolla throat: hairiness						
	absent or sparse					Sherwood	1
	medium					Minduo1	2
	dense						3
32. (*)	QN	VG					
	Stigma: position in relation to anthers		Stigmate : position par rapport aux anthers	Narbe: Stellung im Vergleich zu den Antheren	Estigma: posición en relación con las anteras		
	below						1
	same level					Minaud	2
	above					Minduo1	3
33. (*)	PQ	VG					
	Anther: color		Anthère : couleur	Anthere: Farbe	Antera: color		
	white					Minaud	1
	yellowish					Minduo1	2
	pinkish						3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
34.	QN VG					
	Flower: fragrance					
	absent or weak				Minaud	1
	medium				Sherwood	2
	strong					3
35.	QN MG/VG	(+)				
	Time of beginning of flowering					
	early					3
	medium				Minaud	5
	late				Minpan	7
36. (*)	QN VG	(+)				
	Plant: floriferousness					
	very weak					1
	weak				Lynn	2
	medium				Minduo1	3
	strong				Francis Mason	4
	very strong					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:

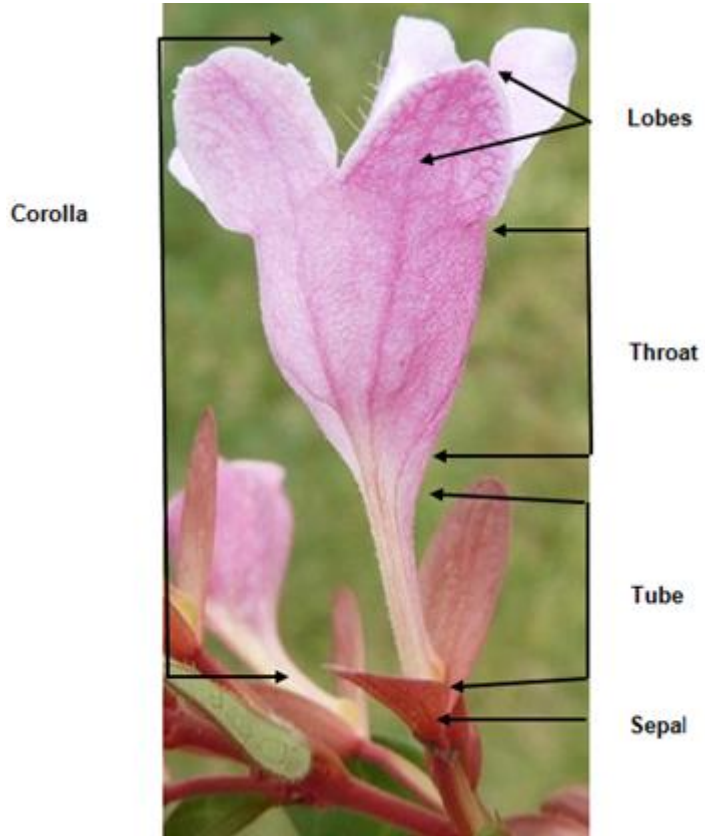
- (a) Observations should be made just before flowering.
- (b) Observations on shoots and leaves should be made on current year shoots.
- (c) The main color is the color with the largest surface area. In cases where the areas of the main and secondary color are too similar to reliably decide which color has the largest area, the darkest color is considered to be the main color.
- (d) The secondary color is the color with the second largest surface area. In cases where the areas of the secondary and tertiary color are too similar to reliably decide which color has the largest area, the darker color is considered to be the secondary color.”

(e) Observations should be made on fully expanded leaves.

(f)

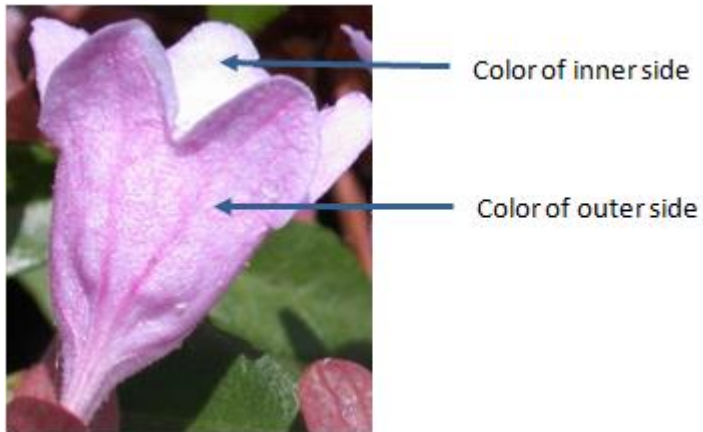
		← broadest part →		
		below middle	at middle	above middle
width (ratio length/width)				
narrow (high)				
medium (medium)		1 lanceolate		
broad (low)				
		2 ovate	3 elliptic	4 obovate

(g)



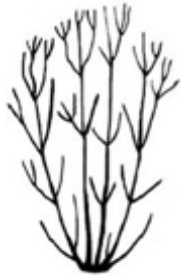
(h) Observations should be made at the time of full flowering.

(i)



8.2 Explanations for individual characteristics

Ad. 1: Plant: growth habit



1
upright



2
semi-upright



3
rounded



4
spreading

Ad. 3: Plant: density



1
sparse



3
medium



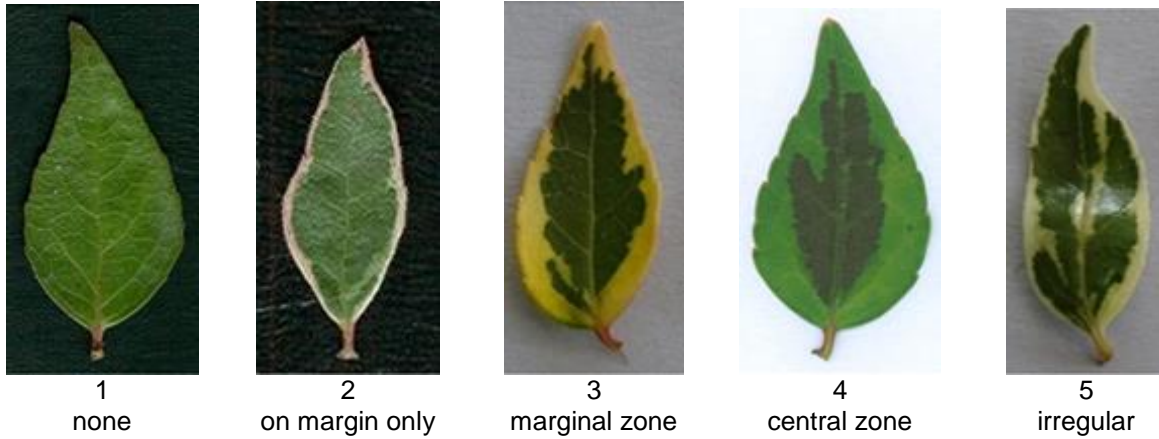
5
dense

Ad. 12: Leaf blade: main color

The main color is the color with the largest surface area present on the upper side of a leaf. In cases where the areas of the main and secondary colors are too similar to reliably decide which color has the largest area of the blade, the darkest color is considered to be the main color.

Ad. 14: Leaf blade: distribution of secondary color

The secondary color is determined as the color with the second largest surface area, usually observed as a defined pattern on the upper side of a leaf.



Ad. 15: Leaf blade: tertiary color

The tertiary color is determined as the color with the third largest surface area, usually observed as a defined pattern on the upper side of a leaf. The inner side is the same as the upper side.

Ad. 19: Leaf blade: blistering



Ad. 20: Flower bud: color

To be observed just before opening of the bud.

Ad. 23: Sepal: width



1
narrow



2
medium



3
broad

Ad. 24: Corolla lobe: attitude



1
erect



2
semi-erect



3
horizontal

Ad. 25: Corolla: length



Length

Ad. 26: Corolla: diameter



Ad. 30: Corolla throat: blotches



1
absent



9
present

Ad. 35: Time of beginning of flowering

The time of beginning of flowering is when all plants have approximately 10% of inflorescences with open flowers.

Ad. 36: Plant: floriferousness

The number of flowers should be observed as the number of flowers open at the same time on the plant, at the time of full flowering.

9. Literature

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10. Technical Questionnaire

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

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

4.1 Breeding scheme

Variety resulting from:

4.1.1 Crossing

(a) controlled cross
(please state parent varieties)

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

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

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

(c) unknown cross

4.1.2 Mutation
(please state parent variety)

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

4.1.4 Other
(please provide details)

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4.2 Method of propagating the variety

4.2.1 Vegetative propagation

- (a) Cuttings
- (b) *In vitro* propagation
- (c) Other (state method)

4.2.2 Other
(Please provide details)

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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	Example Varieties	Note
5.1 Plant: growth habit (1)		
upright	Edward Goucher	1 []
semi-upright	Minaud	2 []
rounded	Minpan	3 []
spreading	Lynn	4 []
5.2 Plant: height in relation to width (2)		
taller than broad	Edward Goucher, Sherwood	1 []
as tall as broad	Minpan	2 []
broader than tall	Rupestri	3 []
5.3 Plant: density (3)		
sparse	Francis Mason	1 []
sparse to medium	Semperflorens	2 []
medium	Edward Goucher	3 []
medium to dense	Sherwood	4 []
dense	Minpan	5 []
5.4 Young shoot: anthocyanin coloration (5)		
absent or very weak	White Surprise	1 []
weak	Minaud	2 []
medium	Edward Goucher	3 []
strong	Snowdrift	4 []
very strong	Rupestri	5 []
5.5 Leaf blade: main color (12)		
RHS Colour Chart (indicate reference number)		
green		1 []
yellow		2 []
green		3 []
grey green		4 []
purple green		5 []

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Characteristics	Example Varieties	Note
5.6 Leaf blade: secondary color (13)		
RHS Colour Chart (indicate reference number)		
white		1 []
pinkish white		2 []
yellow		3 []
yellow red		4 []
5.7 Sepal: color (21)		
greenish		1 []
light pink	Gold Spot	2 []
orange pink	Minaud	3 []
reddish	Edward Goucher	4 []
5.8 Corolla lobe: main color of outer side (27)		
RHS Colour Chart (indicate reference number)		
white		1 []
pink		2 []
violet		3 []

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6. Similar varieties and differences from these varieties

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

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety
<i>Example</i>	<i>Leaf blade: main color of upper side</i>	<i>green</i>	<i>yellow green</i>

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Comments:

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

Yes No

(If yes, please provide details)

7.3 Other information

A representative color photograph of the variety displaying its main distinguishing feature(s), should accompany the Technical Questionnaire. The photograph will provide a visual illustration of the candidate variety which supplements the information provided in the Technical Questionnaire.

The key points to consider when taking a photograph of the candidate variety are:

- Indication of the date and geographic location
- Correct labeling (breeder's reference)
- Good quality printed photograph (minimum 10 cm x 15 cm) and/or sufficient resolution electronic format version (minimum 960 x 1280 pixels)"

Further guidance on providing photographs with the Technical Questionnaire is available in document TGP/7 "Development of Test Guidelines", Guidance Note 35 (<http://www.upov.int/tgp/en/>).

[The link provided may be deleted by members of the Union when developing authorities' own test guidelines.]

Authorities may allow certain of this information to be provided in a confidential section of 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. Information on plant material to be examined or submitted for examination

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

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

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

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

.....

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

Applicant's name

Signature Date