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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

DRAFT

ROSE OF SHARON

UPOV Code: HIBIS_SYR

Hibiscus syriacus L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from the Republic of Korea

to be considered by the

Technical Working Party for Ornamental Plants and Forest Trees at its forty-third session, to be held in Cuernavaca, Morelos State, Mexico, from September 20 to 24, 2010

Alternative Names:

Botanical name | Engl.

Botanical name	English	French	German	Spanish
Hibiscus syriacus L.	Rose of Sharon, Shrub Althea	Hibiscus de Syrie	Hibiskus, Echter Roseneibisch	Alteia-Arbustiva, Hibisco Colunar, Hibisco da Siria, Rosa de Sharao

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 *Hibiscus syriacus* of the family Malvaceae, as well as to hybrids between that species and other species of *Hibiscus* L.

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. Plants should be of sufficient size and maturity to flower and show their other representative characteristics the first year.
- 2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

8 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

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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 8 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, all observations for the purposes of distinctness should be made on 8 plants or parts taken from each of 8 plants, 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 95% and an acceptance probability of at least 1% should be applied. In the case of a sample size of 8 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.

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- 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) Leaf blade: variegation (characteristic 16)
 - (c) Flower: type (characteristic 19)
 - (d) Flower: eye zone (characteristic 24)
 - (e) Petal: main color on inner side (eye zone excluded) (characteristic 32)
- 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".

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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)-(b)See Explanations on the Table of Characteristics in Chapter 8.1
- (+) See Explanations on the Table of Characteristics in Chapter 8.

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

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
1. (*) (+)	Plant: growth habit					
PQ	upright				Jeonyeongnol	1
	semi upright				Shichisai	2
	spreading				Yeonmin	3
	drooping				Jina	4
2. (*)	Plant: height					
QN	short				Antong	3
	medium				Paektanshim	5
	tall				Shichisai	7
3.	Plant: density of branch	ing				
QN	sparse				Yeonmin	3
	medium				Shichisai	5
	dense				Antong, Sukim	7
4. (+)	Current year branch: co	blor				
PQ	greenish				Byunghwa	1
	brownish				Shichisai, Chilbo	2
	purplish				Samchulli	3
5.	Current year branch: pubescence					
QN	absent or sparse					1
	medium					2
	dense				Antong	3

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		English	français	deutsch	español	Example Varieties Exemples/ Beispielssorten/ Variedades ejemplo	s/ Note/ Nota
6.		Petiole: length					
QN	(a)	short					3
		medium					5
		long					7
7. (*)		Leaf blade: length					
QN	(a)	short				Antong	3
		medium				Chilbo	5
		long				Shichisai	7
8. (*)		Leaf blade: width					
QN	(a)	narrow				Chilbo	3
		medium					5
		broad				Shichisai	7
9. (+)		Leaf blade: ratio length/width					
QN	(a)	compressed(x)	small	1.04-1.51		Happykim	1
		medium	medium	1.52-1.98		Paektanshim	2
		-elongated	large	1.99-2.45		Chilbo	3
10.		Leaf blade: shape of	base				
(+)							
PQ	(a)	acute				Yeonmin	1
		obtuse				Gwangmyeong	2
		round				Shichisai	3

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		English	français	deutsch	español	Example Varieties Exemples/ Beispielssorten/ Variedades ejemplo	/ Note/ Nota
11.		Leaf blade: intensity of green color					
QN	(a)	light					3
		medium					5
		dark				Chilbo	7
12.		Leaf blade: glossiness					
QN	(a)	weak					1
		medium					2
		strong					3
13.		Leaf blade: incisions of					
(+)		margin					
QN	(a)	few				Chilbo	3
		medium				Paektanshim	5
		many					7
14. (*) (+)		Leaf blade: depth of lobing					
QN	(a)	absent or very shallow				Asadal	1
		shallow				Jeonyeongnol	3
		medium				Gwangmyeong	5
		deep				Sukim	7
15.		Leaf blade: undulation					
(+)							
QN	(a)	absent or weak				Antong	1
		medium					2
		strong				Gwangmyeong	3

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		English	français	deutsch	español	Example Varieties Exemples/ Beispielssorten/ Variedades ejemplo	/ Note/ Nota
16. (*) (+)		Leaf blade: variegation					
QL	(a)	absent				Asadal	1
		present				Purpureus	9
17.		Leaf blade: type of	Delete				
(+)		variegation					
PQ	(a)	regular or slightly irregular					1
		moderately irregular					2
		strongly irregular					3
18.		Leaf blade: color of variegation	Delete				
(+)		variegation					
PQ	(a)	white					1
		white and yellow					2
		yellow					3
		yellow and green					4
19. (*) (+)		Flower: type					
QN	(b)	single				Asadal	1
		semi double				Aka-hanakasa	2
		double				Lucy	3
20.		Only varieties with semi- double and double flowers Flower: number of petaloids	<u>:</u>				
QN		few			27	Lady Stanley	3
		medium			54	Aka-hanagasa	5
		many			79	Pompon Rouge	7

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		English	français	deutsch	español	Example Varieties, Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
21.		Flower: attitude of outermost petals					
(+)		outermost petals					
QN	(b)	strongly ascending				Hwarang	1
		moderately ascending				Sooni	2
		horizontal				Samchulli	3
		moderately recurved					4
		strongly recurved					5
22.		Only varieties with single and semi-double flowers	<u>e</u>				
(+)		Flower: arrangement of outermost petals					
QN	(b)	free				Antong	1
		touching or slightly overlapping				Lady Stanley	2
		strongly overlapping				Jongmoo, Yousoon	3
23.		Flower: diameter					
QN	(b)	small				Asadal	3
		medium				Chilbo	5
		large				Shichisai	7
24. (*) (+)		Flower: eye zone					
QL	(b)	absent				Paedal	1
		present				Paektanshim	9
25. (+)		Petal: size of eye zone relative to petal (extensi excluded)	ons				
QN	(b)	small				Samchulli	3
		medium				Chilbo	5
		large				Sooni	7

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
26.		Eye zone: length of					
(+)		extensions					
QN	(b)	absent or very short				Samchulli	1
		short				Antong	2
		medium				Shichisai	3
		long				Chilbo	4
27.		Eye zone: main color					
PQ	(b)	RHS Colour Chart (indicate reference number)					
28.		Petal: length					
QN	(b)	short				Asadal	3
		medium				Chilbo	5
		long				Shichisai	7
29.		Petal: width					
QN	(b)	narrow				Asadal	3
		medium				Chilbo	5
		broad				Shichisai	7
30.		Petal: shape					
(+)							
PQ	(b)	type1				Antong	1
		type2					2
		type3				Chilbo	3
31. (*)		Petal: number of colors (eye zone excluded)					
PQ	(b)	one				Antong	1
		two				Asadal	2
		more than two					3

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		English	français	deutsch	español	Example Varietie Exemples/ Beispielssorten/ Variedades ejemplo	s/ Note/ Nota
32. (+)		Petal: main color on inner side (eye zone excluded) RHS Colour Chart					
PQ	(b)	(indicate reference number)					
33.		Petal: secondary color on inner side (eye zone					
(+)		excluded)					
PQ	(b)	RHS Colour Chart (indicate reference number)					
34.		Petal: distribution of secondary color (eye zone					
(+)		excluded)					
PQ	(b)	Blotched on marginal zone (asadal type)				Lady Stanley, Asadal	1
		Margined distal half				Seonnyo	2
		Shaded throughout					3
35.		Petal: incisions					
(+)							
QN	(b)	absent or weak				Yeonmin	1
		medium				Yousoon	2
		strong				Saeachim	3
36.		Petal: undulation					
(+)							
QN	(b)	absent or very weak					1
		weak				Sooni	3
		medium				Dudungsil	5
		strong				Hayypkim	7

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
37.		Excluding varieties with	Only varieties with				
(+)		flower type: double: Staminal column: length	single and semi- double flowers:				
QN	(b)	short				Asadal	3
		medium				Chilbo	5
		long				Shichisai, Sukim	7
38.		Time of beginning of					
(+)		flowering					
QN		very early				Hwarang	1
		early				Ardens	3
		medium				Pulcherrima	5
		late				Lucy, Lady Stanley	7
		very late				Pyonghwa	9

8. Explanations on the Table of Characteristics

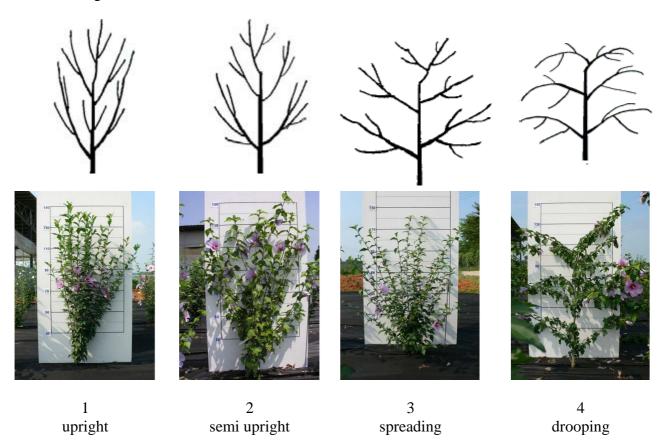
8.1 Explanations covering several characteristics

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

- (a) Observations on the leaves should be made on fully developed leaves in the middle third of the current year branch.
- (b) Observations on the flower and flower parts should be made on a fully opened flower of the current year branch.

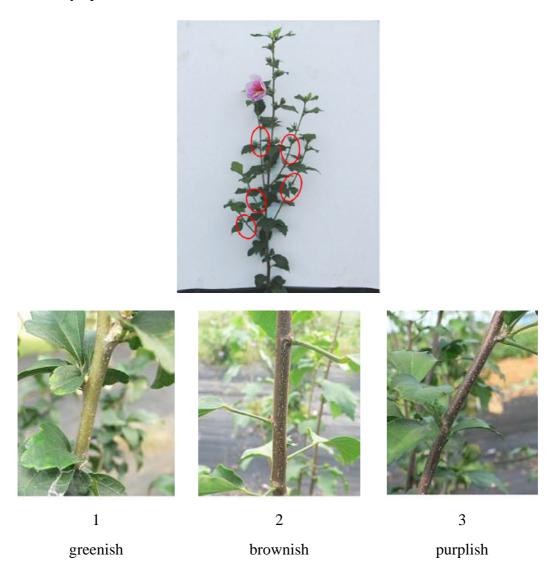
8.2 Explanations for individual characteristics

Ad. 1: Plant: growth habit

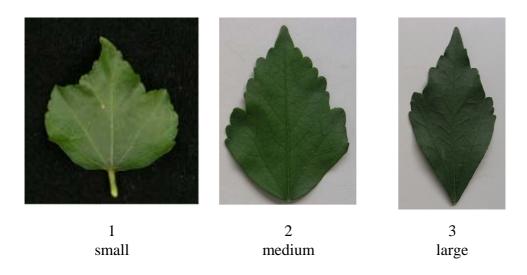


Ad. 4: Current year branch: color on middle part

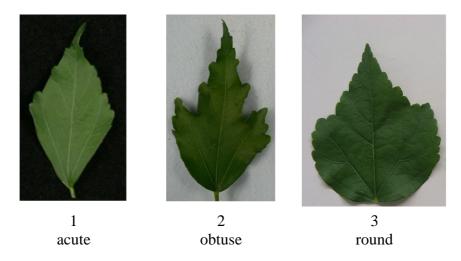
The color of the current year branch should be observed one month after the first flower has fully opened.



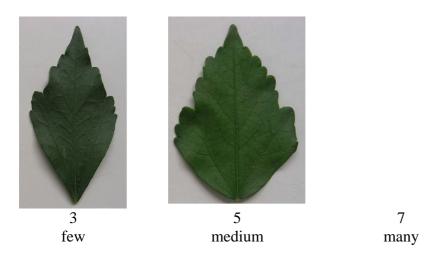
Ad. 9: Leaf blade: ratio length/width



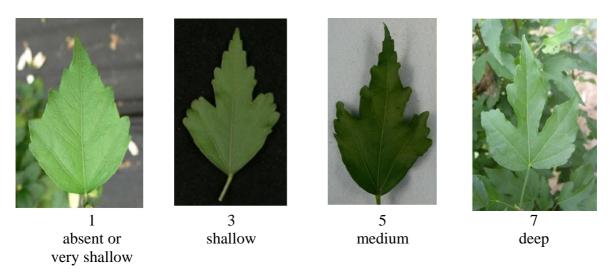
Ad. 10: Leaf blade: shape of base



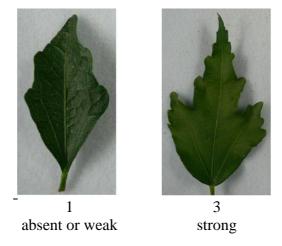
Ad. 13: Leaf blade: incisions



Ad. 14: Leaf blade: depth of lobing



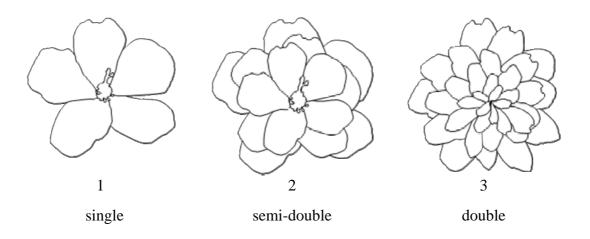
Ad. 15: Leaf blade: undulation



Ad. 16: Leaf blade: variegation



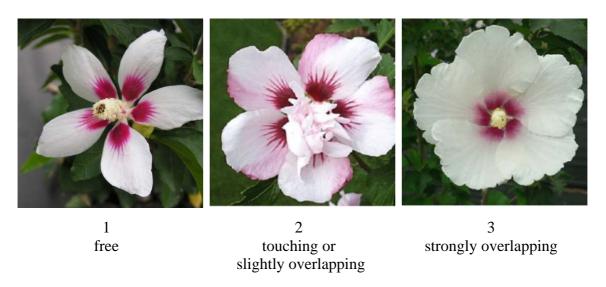
Ad. 19: Flower: type



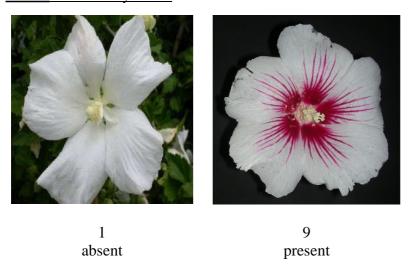
Ad. 21: Flower: attitude of outermost petals



Ad. 22: Only varieties with single and semi-double flowers: Flower: arrangement of outermost petals



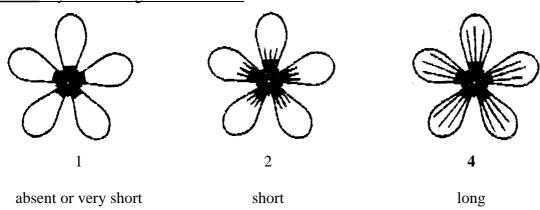
Ad. 24: Flower: eye zone



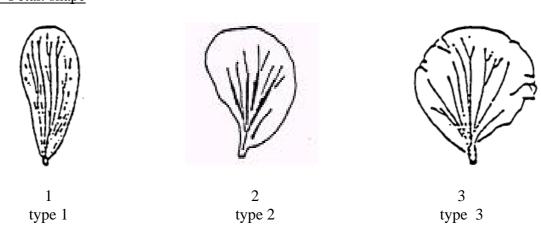
Ad. 25: Flower: size of eye zone relative to petal(extensions excluded)



Ad. 26: Eye zone: length of extensions



Ad. 30: Petal: shape

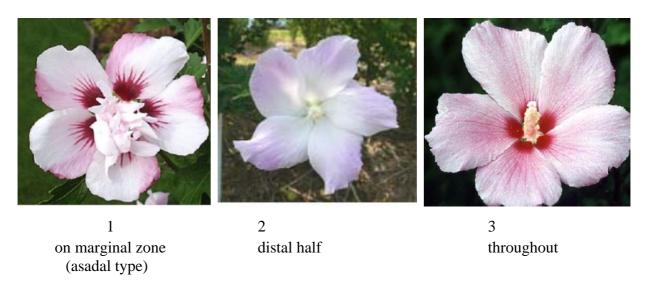


Ad. 32: Petal: main color on inner side(eye zone excluded)

Ad. 33: Petal: position of secondary color(eye zone excluded)

The main color is the color with the largest total surface area the secondary color is the color with the second largest total surface area

Ad. 34: Petal: distribution of secondary color(eye zone excluded)



Ad. 35: Petal: incisions



Ad. 36: Petal: undulation



Ad. 37: Excluding varieties with flower type: double: staminal column: length





Ad. 38: Time of beginning of flowering

It should be observed when at least three plants have fully opened flowers.

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9. <u>Literature</u>

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10. <u>Technical Questionnaire</u>

TEC	HNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
			Application date: (not to be filled in by the applicant)
		CHNICAL QUESTION ection with an application	NAIRE on for plant breeders' rights
and this	where the parent lines are to b	e submitted as a part of ald be completed for ea	application for plant breeders' rights, the examination of the hybrid variety, ach of the parent lines, in addition to
1.	Subject of the Technical Que	estionnaire	
	1.1 Botanical name	Hibiscus syriacus L.	
	1.2 Common name	Rose of Sharon	
2.	Applicant		
	Name		
	Address		
	Telephone No.		
	Fax No.		
	E-mail address		
	Breeder (if different from ap	plicant)	
3.	Proposed denomination and	breeder's reference	
	Proposed denomination (if available)		
	Breeder's reference		

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

[#] 4.	Info	Information on the breeding scheme and propagation of the variety							
	4.1	Breedi	Breeding scheme						
		Variet	Variety resulting from:						
		4.1.1	.1.1 Crossing						
			(a) controlled cross (please state parent varieties)	[]					
	(.		female parent x (.) male parent					
			(b) partially known cross (please state known parent va	[]					
	() 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 disco	[] vered and how developed)					
		4.1.4	Other (please provide details)	[]					

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

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4.2.1 Vegetative propagation	
(a) cuttings	[]
(b) in vitro propagation	[]
(c) other (state method)	[]
4.2.2 Seed	[]
4.2.3 Other	[]

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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		1[]
	semi upright		2[]
	spreading		3[]
	drooping		4[]
5.2	Plant : height		
(2)	very short		1[]
	very short to short		2[]
	short		3[]
	short to medium		4[]
	medium		5[]
	medium to tall		6[]
	tall		7[]
	tall to very tall		8[]
	very tall		9[]
5.3	Leaf blade : variegation		
(16)	absent		1[]
	present		9[]

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5.4	Flower: type	
(19)	single	1[]
	semi double	2[]
	double	3[]
5.5	Flower: eye zone	
(23)	absent	1[]
	present	9[]
5.6	Petal: main color on inner side	
(31)	(eye zone excluded)	
	white or near white	1[]
	pink	2[]
	red	3[]
	purple	4[]
	violet blue	5[]

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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	Characteristic(s) in	Describe the expression	Describe the
variety(ies) similar to	which your candidate	of the characteristic(s)	expression of the
your candidate variety	variety differs from the	for the similar	characteristic(s) for
	similar variety(ies)	variety(ies)	your candidate variety
Example	Plant: growth habit	upright	semi upright
Comments:			
1			

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TEC	HNIC.	AL QI	JESTIONN	AIRE	Page	$\{x\}$ of	f {y}	Reference Number:
[#] 7.	Additional information which may help in the examination of the variety							
7.1	In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?							
	Yes	[]	-	No	[]		
	(If ye	es, plea	ase provide	details)				
7.2	Are t	there a	ny special c	ondition	ıs for g	growin	g the vario	ety or conducting the examination?
	Yes	[]	-	No	[]		
	(If ye	es, plea	ase provide	details)				
7.3	Othe	r info	rmation					
A rep	oresen	tative	color image	of the v	ariety	should	d accompa	any the Technical Questionnaire.
8.	Auth	orizat	ion for relea	se				
	(a) the p		the variety on of the en		-			release under legislation concerning health?
		Yes	[]		N	О	[]	
	(b)	Has s	such authori	zation b	een ob	tained	?	
		Yes	[]		N	О	[]	

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

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

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IECI	HNICA	AL QUESTIONNAIRE	Page {x} of {y}	Reference Ni	umber:		
9. Information on plant material to be examined or submitted for examination.							
effec	O.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 ree, 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. vire	us, bacteria, phytoplasi	ma)	Yes []	No []	
	(b)	Chemical treatment (e.g.	growth retardant, pesti	cide)	Yes []	No []	
	(c)	Tissue culture			Yes []	No []	
	(d)	Other factors			Yes []	No []	
	Please provide details for where you have indicated "yes".						
9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?							
	Yes [] (please provide details as specified by the Authority)						
	No []						
10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:							
	Applicant's name						
	Signa	nture		Date			
	Signa	iture		Date			

[End of document]