

TG/ANUBI(proj.1) ORIGINAL: English DATE: 2006-08-11

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

ANUBIAS

UPOV Code: ANUBI (code for genus)

Anubias heterophila Engler, Anubias barteri var. barteri Schott and Anubias barteri var. nana Engler

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from Singapore

to be considered by the Technical Working Party for Ornamental Plants and Forest Trees at its thirty-ninth session, to be held in Fortaleza, Ceará State, Brazil, from August 28 to September 1, 2006

Alternative Names:*

Botanical name	English	French	German	Spanish
	Anubias			

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. <u>Subject of these Test Guidelines</u>

These Test Guidelines apply to all varieties of *Anubias heterophila* Engler, *Anubias barteri* var. *barteri* Schott and *Anubias barteri* var. *nana* Engler of the family *Araceae*.

2. <u>Material Required</u>

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:

three month old rooted cuttings

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

30

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. <u>Method of Examination</u>

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

3.2.1 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.

Temperature:Preferably between 25°C - 32°CGrowing Technique:Potted plants in hydroponic systemSubstrate:Rock wool

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Fertilization:	Ensure all nutrients are present at the optimal level in the re-circulating
	water
Shading:	50% shade should be provided in the growing area.
Air humidity:	Around 85%

3.3.2 The optimum stage of development for the assessment of each characteristic is indicated by a number in the second column of the Table of Characteristics. The stages of development denoted by each number are described in Section 8.

3.3.3 The recommended method of observing the characteristic is indicated by the following key in the second column of the Table 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

3.3.4 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

3.4 Test Design

3.4.1 Each test should be designed to result in a total of at least 30plants, which should be divided between at least 2 replicates.

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 Number of Plants / Parts of Plants to be Examined

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

3.6 Additional Tests

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 Distinctness

4.1.1 General Recommendations

It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.2 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.

4.2 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 seed-propagated varieties, the recommendations in the General Introduction for self-pollinated / cross-pollinated / hybrid varieties should be followed as appropriate.

4.2.3 For assessment of vegetatively propagated varieties, a population standard of 1% with an acceptance probability of at least 95% should be applied. In the case of a sample size of 30 plants, 1 off-type is allowed.

4.3 *Stability*

a) 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.

b) Where appropriate, or in cases of doubt, stability may be tested, either by growing a further generation, or by testing a new seed or plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.

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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) Leaf blade: tip shape (Characteristic 4)
- (b) Leaf blade: base shape (Characteristic 5)
- (c) Leaf blade: rippling (Characteristic 7)
- (d) Leaf blade: young leaf colour (Characteristic 9)
- (e) Inflorescence: curvature of spathe on maturity (before pollination) (Characteristic 12)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 *Categories of Characteristics*

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 States of Expression and Corresponding Notes

States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.3 Types of Expression

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo-qualitative) is provided in the General Introduction.

6.4 *Example Varieties*

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: single measurement of a group of plants or parts of plants see Chapter 3.3.1
- MS: measurement of a number of individual plants or parts of plants see Chapter 3.3.1
- VG: visual assessment by a single observation of a group of plants or parts of plants Chapter 3.3.1
- VS: visual assessment by observation of individual plants or parts of plants" -see Chapter 3.3.1
- "(a)-{x} See Explanations on the Table of Characteristics in Chapter 8.1"
- (+) See Explanations on the Table of Characteristics in Chapter 8.2

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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
1.1 (+)	VG/ MS	Heterophyla group only: Leaf blade: length					
QN	(a)	short					3
		medium				heterophyla Lanceolata	5
		long				heterophyla	7
1.2 (+)		Nana group only: Leaf blade: length					
	(a)	short				nana Petite	3
		medium				nana Wrinkled	5
		long					7
1.3 (+)		Barteri group only: Leaf blade: length					
QN	(a)	short				barteri Wavy	3
		medium				barteri Oriental Green	5
		long					7
2.1 (+)		Heterophyla group only: Petiole: length					
QN	(a)	short					3
		medium				heterophyla Lanceolata	5
		long				heterophlla	7
2.2 (+)		Nana group only: Petiole: length					
QN	(a)	short				nana Petite	3
		medium				nana Golden	5
		long					7

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note Nota
2.3 (+)	VG/ MS	Barteri group only: Petiole: length					
QN	(a)	short				barteri Wavy	3
		medium				barteri Marble	5
		long				barteri Broad Leaf	7
3.1 (+)		Heterophyla group only: Leaf blade: width					
QN	(a)	narrow					3
		medium				heterophyla Lanceolata	5
		broad				heterophyla	7
3.2 (+)		Nana group only: Leaf blade: width					
QN	(a)	narrow				nana Petite	3
		medium				nana Golden	5
		broad				nana Round Leaf	7
3.3 (+)		Barteri group only: Leaf blade: width					
QN	(a)	narrow				barteri Wavy	3
		medium				barteri Oriental Green	5
		broad				barteri Broad Leaf	7
4.1 (*) (+)	VG	Heterophyla group only: Leaf blade: tip shape	,				
QL	(a)	acute				heterophyla Lanceolata	1
		obtuse					2
4.2 (*) (+)	VG	Nana group only: Leaf blade: tip shape					
QL	(a)	acute				nana Petite	1
		obtuse				nana Round Leaf	2

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note. Nota
4.3 (*) (+)	VG	Barteri group only: Leaf blade: tip shape					
QL	(a)	acute				barteri Variegated	1
		obtuse				barteri Oriental Green	2
5.1 (*) (+)	VG	Heterophyla group only: Leaf blade: base shape					
QL	(a)	cordate					1
		round					2
		obtuse				heterophyla Lanceolata	3
5.2 (*) (+)	VG	Nana group only: Leaf blade: base shape					
QL	(a)	cordate				nana	1
		round				nana Round	2
		obtuse				nana Gold	3
5.3 (*) (+)	VG	Barteri group only: Leaf blade: base shape					
QL	(a)	cordate				barteri Broad Leaf	1
		round					2
		obtuse				<i>barteri</i> Marble	3
6.1	VG	Heterophyla group only: Leaf blade: undulation of margin					
QN	(a)	absent				heterophylla Lanceolata	1
		weakly expressed				heterophyla	2
		strongly expressed					3

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note. Nota
6.2	VG	Nana group only: Leaf blade: undulation of margin					
QN	(a)	absent				nana Petite	3
		weakly expressed				nana Round Leaf	5
		strongly expressed					7
6.3	VG	Barteri group only: Leaf blade: undulation of margin					
QN	(a)	absent				<i>barteri</i> Broad Leaf	3
		weakly expressed				barteri Oriental Green	5
		strongly expressed				barteri "Wavy"	7
7.1 (*)	VG	Heterophyla group only: Leaf blade: rippling					
QN	(a)	weak				heterophyla Lanceolata	3
		medium					5
		strong				heterophyla	7
7.2 (*)	VG	Nana group only: Leaf blade: rippling					
QN	(a)	weak				nana Petite	3
		medium				nana Variegated	5
		strong					7
7.3 (*)	VG	Barteri group only: Leaf blade: rippling					
QN	(a)	weak					3
		medium				barteri Oriental	5
		strong				barteri Wavy	7

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note. Nota
8	VG	Leaf blade: depression					
QL	(a)	absent				Heterophyla group, <i>barteri</i> var. <i>barter</i> i and its varieties	1
		present				nana Wrikled	9
9.1	VS	Heterophyla group only: Leaf blade: young leaf colour					
PQ	(b) (d)	RHS colour chart (indicate reference number)					
		yellowish green					1
		green				heterophyla Lanceolata	2
		brownish green					3
9.2	VS	Nana group only: Leaf blade: young leaf colour					
PQ	(b) (d)	RHS colour chart (indicate reference number)					
		yellowish green				nana Golden	1
		green				nana Petite	2
		brownish green				nana Round Leaf	3
9.3	VS	Barteri group only: Leaf blade: young leaf colour					
PQ	(b) (d)	RHS colour chart (indicate reference number)					
		yellowish green					1
		green					2
		brownish green				<i>barteri</i> Wavy	3

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		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
10	VS	Leaf blade: Mottling of mature leaf	g				
QL	(c)	absent				Heterophyla group	1
		present				nana Marble, barteri Marble	9
11.1	VS	Nana group only: Mottled varieties only : Leaf blade : size of patches					
QN	(c) (d)	small				nana Marble	1
		large				nana Variegated	2
11.2	VS	Barteri group only: Mottled varieties only : Leaf blade : size of patches					
QN	(c) (d)	small				<i>barteri</i> Marble	1
		large					2
12 (*) (+)	VS	Inflorescence : curvature of spathe on maturity (before pollination)					
QL	(a)	absent				Heterophyla	1
		present				barteri var. barteri barteri var. nana	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 :

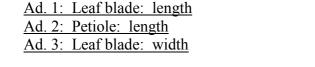
The optimum stage of development for the assessment of all characteristics (a) is plants or plant parts of about 3-6 months old.

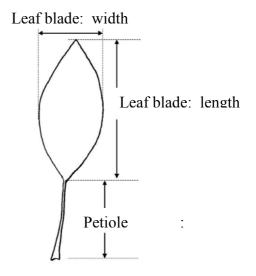
All observations on the young leaf should be made near the distal part of (b) the shoots as soon as they have unfolded completely.

All observations on the mature leaf should be made on the 4th leaf from the (c) tip or the leaf at the middle part of the horizontal rhizome.

The leaf blade colour should be observed from the upper side. (d)

8.2 Explanations for individual characteristics

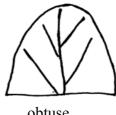




Ad. 4 Leaf blade: tip shape



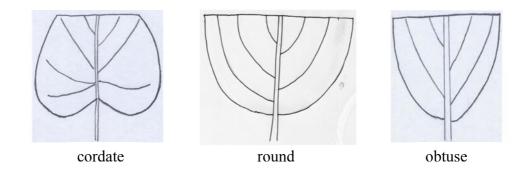




obtuse

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Ad. 5: Leaf blade: base shape



Ad. 12: Inflorescence: spathe condition on maturity





*fully open and straight

fully open and curved

9. <u>Literature</u>

Crusio, W.,1979: A revision of *Anubias* Schott (Araceae). Meded, Landbouwhogeschool Wageningen 79(14)

Kasselmann, C., 2003: Aquarium Plants. Krieger Publishing Company, Malabar, Florida, US, pp. 98 to110

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10. <u>Technical Questionnaire</u>

TEC	CHNICAL QUESTIONNAIR	E	Page $\{x\}$ of $\{y\}$	Reference Number:	
				Application date: (not to be filled in by the applican	nt)
			NICAL QUESTION tion with an application	NAIRE on for plant breeders' rights	
1.	Subject of the Technical Qu	ıesti	onnaire		
	1.1 Botanical name	Ant	ubias		
	1.2 Common name	An	ubias		
2.	Applicant				
	Name				
	Address				
	Telephone No.				
	Fax No.				
	E-mail address				
	Breeder (if different from a	ppli	cant)		
	l				
3.	Proposed denomination and	l bre	eeder's reference		
	Proposed denomination (if available)				
	Breeder's reference				

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TECHNICAL QUESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:								
4. Information on the	4. Information on the breeding scheme and propagation of the variety									
Variety resulting from [please "tick"]	Breeding scheme (indicate female component in first position) :									
[] Controlled cross (pls state parent varieties)										
[] Partially known cross (pls state known parent varieties)										
[] Totally unknown cross										
[] Mutation (pls state parent variety)										
[] Discovery (pls state where, when and how developed)										
[] Other (pls provide details)										
Method of propagating the variety : [] Cuttings	Indicate any male sterile	lines and how they are maintained.								
[] In vitro propagation										
[] Seed										
[] Other (state method)										
Geographical origin of the variety :	The region and coun or discovered and dev	try in which the variety was bred veloped.								

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TECHN	NICAL QUESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:	
	haracteristics of the variety to be ristic in Test Guidelines; please mark t			corresponding
	Characteristics		Example Varieties	Note
5.1 (4.1)	Heterophyla group only: Leaf blac	le: tip shape		
	acute		heterophyla Lanceolata	1[]
	obtuse			2[]
(4.2)	Nana group only: Leaf blade: tip s	hape		
	acute		nana Petite	1[]
	obtuse		nana Round Leaf	2[]
(4.3)	Barteri group only: Leaf blade: tip	o shape		
	acute		barteri Variegated	1[]
	obtuse		barteri Oriental Green	2[]
5.2 (5.1)	Heterophyla group only: Leaf blac	le: base shape		
	cordate			1[]
	round			2[]
	obtuse		heterophyla Lanceolata	3[]
(5.2)	Nana group only: Leaf blade: base	e shape		
	cordate		nana	1[]
	round		nana Round	2[]
	obtuse		nana Gold	3[]
(5.3)	Barteri group only: Leaf blade: ba	se shape		
	cordate		barteri Broad Leaf	1[]
	round			2[]
	obtuse		barteri Marble	3[]

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TECH	NICAL QUESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:					
5.3 (7.1)	Heterophyla group only: Leaf blade: rippling							
	weak		heterophyla Lanceolata	3[]				
	medium			5[]				
	strong		heterophyla	7[]				
(7.2)	Nana group only: Leaf blade: rippl	Nana group only: Leaf blade: rippling						
	weak		nana Petite	3[]				
	medium		nana Variegated	5[]				
	strong			7[]				
(7.3)	Barteri group only: Leaf blade: rippling							
	weak			3[]				
	medium		barteri Oriental	5[]				
	strong		barteri Wavy	7[]				
5.4 (9.1)	Heterophyla group only: Leaf blade: young leaf colour							
	RHS colour chart (indicate reference	number)						
	yellowsh green			1[]				
	green		heterophyla Lanceolata	2[]				
	brownish green			3[]				
(9.2)	Nana group only: Leaf blade: young leaf colour							
	RHS colour chart (indicate reference	number)						
	yellowish green		nana Golden	1[]				
	green		nana Petite	2[]				
	brownish green		nana Round Leaf	3[]				
(9.3)	Barteri group only: Leaf blade: young leaf colour							
	RHS colour chart (indicate reference	number)						
	yellow green			1[]				
	green			2[]				
	brownish green		barteri Wavy	3[]				

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TECH	NICAL QUESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:		
 5.5 Inflorescence: Curvature of spathe on maturity (before (12) pollination) 					
	absent		heterophyla	1[]	
	present		barteri	9[]	

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

6. Similar varieties and differences from these varieties

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

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
[e.g. Flower color]	[e.g. orange]	[e.g. orange red]
Petiole: length	short	long
	which your candidate variety differs from the similar variety(ies) [e.g. Flower color]	which your candidate variety differs from the similar variety(ies)of the characteristic(s) for the similar variety(ies)[e.g. Flower color][e.g. orange]

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TEC	HNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:			
7.	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 [] N	[o []				
	If yes, please provide details :					
7.2	Are there any special conditions f	or growing the variety	or conducting the examination?			
	Yes [] N	o []				
	If yes, please give details:					
7.3	Other information					
	Representative color photograp stionnaire.	ohs of the variety	should accompany the Technical			
 I) The specifications are : i. The photographs should measure at least 15cm x 10cm. ii. The size of the image or object in question should cover as much area of the photograph as possible. iii. Printed photographs should have a non-glossy, matt finish. iv. Instant photographs taken with a polaroid camera are not acceptable. vi. Photographs should be taken against a dark or black background, in sufficient light to prevent or minimise distortion to the natural colour of the plant or part(s) of the plant. vii. Printed photographs are to be submitted in a water-proof envelope or bag viii. Photographs must be clearly labelled with the Applicant's name, Contact Number, Proposed Denomination of the new variety, and Date of Application. II) The following images are required : i. Close-up picture of a single inflorescence (if applicable; taken against a scale ruler) ii. A picture of the whole plant (taken against a standard 30cm scale ruler) iii. Any other picture(s) of the plant or part(s) of plant that will distinguish the variety from other varieties. 						

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TEC	HNIC	AL	, QUE	ESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:		
7.3.2	7.3.2 Main use of the variety							
	[] Fully submerged aquarium / pond plant							
	[] Partially submerged aquarium / pond plant						
	[] Floating aquarium / pond plant						
	[]] Dry terrarium plant					
	[]	Othe	er (please provide d	etails) :			
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	suc	h autl	horization been obt	ained?			
	Yes	[]	No	[]			
	If th	e ar	nswer	to (b) is yes, please	e attach a copy of the au	uthorization.		

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TECHNICAL QUESTIONNAIRE	Page $\{x\}$ of $\{y\}$	Reference Number:
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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)	Y	/es []	No []			
	(b)	Chemical treatment (e.g. growth retardant, pesticide)) Y	'es []	No []			
	(c)	Tissue culture	Y	'es []	No []			
	(d)	Other factors	Y	'es []	No []			
	Please provide details for where you have indicated "yes".							
10. corre	10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:							
	Appli	cant's name						
	Signa	ture	Date					

[End of document]