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UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

NEMESIA

UPOV Code: NEMES

Nemesia Vent.

[*]

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from the United Kingdom

to be considered by the
Technical Working Party for Ornamental Plants and Forest Trees
at its fortieth session, to be held in Kunming, China, from July 2 to 6, 2007

Alternative Names:[*]

Botanical name	*English*	*French*	*German*	*Spanish*
Nemesia Vent.	Nemesia	Nemesia	Nemesia	Nemesia

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 *Nemesia* Vent. of the family *Scrophulariaceae.*

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 rooted cuttings or seed.

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

vegetatively propagated varieties: 10 rooted cuttings;
seed-propagated varieties: a sufficient quantity of seed to produce 40 plants

In the case of seed, the seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority.

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. The plants should be grown in containers to observe the plant growth habit (characteristic 1).

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.

3.4 Test Design

3.4.1 Vegetatively propagated varieties: each test should be designed to result in a total of at least 10 plants.

3.4.2 Seed-propagated varieties: each test should be designed to result in a total of at least 40 plants.

3.4.3 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

3.5.1 Vegetatively propagated varieties: unless otherwise indicated, 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.

3.5.2 Seed-propagated varieties: unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observations made on all plants in the test.

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 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 10 plants, one off-type is allowed.

4.2.3 For the assessment of uniformity of seed-propagated varieties which are self-pollinated, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 40 plants, 2 off-types are allowed.

4.2.4 For the assessment of uniformity of seed-propagated varieties which are cross-pollinated or hybrids, the recommendations in the General Introduction for cross-pollinated or hybrid varieties should be followed, as appropriate.

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 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.

4.3.3 Where appropriate, or in cases of doubt, the stability of a hybrid variety may, in addition to an examination of the hybrid variety itself, also be assessed by examination of the uniformity and stability of its parent lines

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness 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) Upper lip of corolla: main color of inner surface (characteristic 24) and Lower lip of corolla: main color of inner surface (characteristic 38), both with the following groups:

Gr. 1: white
Gr. 2: yellow
Gr. 3: yellow orange
Gr. 4: orange
Gr. 5: orange pink
Gr 6: pink
Gr. 7: blue pink
Gr 8: pink red
Gr: 9 red
Gr 10: red purple
Gr 11: light violet
Gr 12 medium violet
Gr 13 dark violet
Gr 14 violet blue
Gr 15 blue

(c) Palate: color (characteristic 44)

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

(a)-(c) 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

Char. No.	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1. (*)	**Plant: growth habit**					
QN	upright				Inuppink	1
	semi-upright				D0158-1	2
	spreading				Sumnem 03	3
	semi-trailing				Inupsaf	4
	trailing				Organza	5
2.	**Plant: height**					
(+)						
QN	short				Yateye	3
	medium				D0158-1	5
	tall				Inuppink	7
3.	**Plant: width at broadest part**					
QN	narrow				Yateye	3
	medium				D0158-1	5
	broad				Inuppink	7
4.	**Plant: density**					
QN	sparse				Yateye	3
	medium				Balarropi	5
	dense				D0158-1	7
5.	**Shoot: thickness at mid point**					
QN	thin				Innocence	1
	medium				Balarropi	2
	thick				D0158-1	3

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6. (*)		**Leaf blade: length**					
QN	**(a)**	short				Balarcomwhit	3
		medium				Inuppink	5
		long				Imprinno	7
7. (*)		**Leaf blade: width**					
QN	**(a)**	narrow				Innocence	3
		medium				Imprinno	5
		broad				D0158-1	7
8.		**Leaf blade: length/width ratio**					
QN	**(a)**	low				D0158-1	3
		medium					5
		high				Innocence	7
9.		**Leaf blade: number of indentations of margin**					
QN	**(a)**	none or very few					1
		few				Imprinno	3
		medium				Sugar Girl	5
		many				Snowstorm	7
10.		**Leaf blade: depth of indentations of margin**					
QN	**(a)**						
		shallow				Organza	3
		medium				Honey Girl	5
		deep				Nemhabar	7

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
11. (*)		**Leaf blade: variegation**					
QL	**(a)**	absent				Inuppink	1
	(b)	present				Tanith's Treasure	9
12. (*) (+)		**Leaf blade: main color**					
PQ	**(a)**	light green					1
	(b)	medium green				Organza	2
		dark green				Nemhabar	3
13. (*) (+)		**Leaf blade: secondary color**					
PQ	**(a)**	light yellow				Tanith's Treasure	1
	(b)	medium yellow					2
		yellow green					4
14. (+)		**Inflorescence: density**					
QN	**(a)**	sparse				Organza	3
	(b)	medium				Innocence	5
		dense				Nemhswhi	7
15.		**Flower: fragrance**					
QN		absent or very weak				Organza	1
		medium					2
		strong				Claudette	3

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16. (*) (+)		**Corolla: length**					
QN	**(c)**	short				Sumnem 07	3
		medium				Nemhabar	5
		long				Inupsaf	7
17. (*) (+)		**Corolla : width**					
QN	**(c)**	narrow				Sumnem 07	3
		medium				Nemhabar	5
		broad				Inupsaf	7
18.		**Corolla: length/width ratio**					
QN	**(c)**	low					3
		medium					5
		high					7
19. (*)		**Corolla: length of upper lip relative to length of lower lip**					
QN	**(c)**	much shorter					1
		moderately shorter				Inupspink 8	3
		approximately equal				Sumnem 03	5
		moderately longer				Lemon Drops	7
		much longer				Masquerade	9
20. (+)		**Upper lip of corolla: relative position of central lobes**					
QN	**(c)**	separate				Nemhawit	1
		touching				Innocence	2
		overlapping				Nemhswhi	3

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
21. **(+)**		**Upper lip of corolla: attitude of lateral lobes (viewed from the front)**					
PQ	**(c)**	upright				Masquerade	1
		slightly outwards				Nemhapin	2
		moderately outwards				Honey Girl	3
		horizontal				Nemhabar	4
22. **(+)**		**Upper lip of corolla: positon of lateral lobes relative to central loves (viewed from the side)**					
PQ	**(c)**	in front				Snowstorm	1
		in line				Innocence	2
		slightly behind				Nemhapin	3
		strongly behind				Nemhabar, New Mystic Girl	4
23.		**Upper lip of corolla: shape of lateral lobes**					
PQ	**(c)**	triangular				Masquerade	1
		oblong				Honey Girl	2
		rounded				Innkarwhi	3
24. **(*)** **(+)**		**Upper lip of corolla: main colour**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25.		**Upper lip of corolla: veining**					
QN	**(c)**	absent or very weak				Innocence	1
		weak				Imprinno	2
		medium					3
		strong				Sumnem 03	4
26.		**Upper lip of corolla: length of veins**					
QN	**(c)**	short				Imprinno	3
		medium				Sumnem 03	5
		long					7
27. (*)		**Upper lip of corolla: color of veins**					
PQ	**(c)**	pink					1
		orange					2
		orange red					3
		red pink					4
		red					5
		purple					6
		violet					7
		violet blue				Sumnem 03	8
28.		**Upper lip or corolla: size of basal blotch**					
QN	**(c)**	absent of very small					1
		small				Nemhorfla	3
		medium					5
		large				Inuppink	7

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
29.		**Upper lip of corolla: prominence of basal blotch**					
QN	**(c)**	weak					3
		medium				Inupsaf	5
		strong				Organza	7
30. (*)		**Upper lip of corolla: color of basal blotch**					
PQ	**(c)**	white					1
		yellow				Lemon Drops	2
		orange					3
		red				Nemhorfla	4
		purple				Organza	5
		light violet					6
		medium violet				Inupsaf	7
		dark violet				Sunnyside	8
		violet blue					9
31.		**Upper lip of corolla: color of outer side**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
32. (+)		**Lower lip of corolla: incurving**					
QN	**(c)**	absent or weak				Sumnem 03	1
		medium					2
		strong				Innocence	3

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
33.		**Lower lip of corolla: undulation**					
QN	**(c)**	absent or weak				Organza	1
		weak				Sumnem 03	3
		medium					5
		strong				Inuppink	7
34.		**Lower lip of corolla: indentation of margin**					
	(c)	absent or very weak				Organza	1
		weak				Nemhswhi	3
		medium					5
		strong				Inupspink8	7
35. (*) (+)		**Lower lip of corolla: main color on inner side**					
QN	**(c)**	RHS Colour Chart (indicate reference number)					
36. (*) (+)		**Lower lip of corolla: secondary color on inner side**					
PQ	**(c)**	RHS Colour Chart (indicate reference number)					
37.		**Lower lip of corolla: color of outer side**					
	(c)	RHS Colour Chart (indicate reference number)					

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
38. (*) (+)		**Palate: size relative to size of lower lip of corolla**					
QN	**(c)**	small				Nemhswhi	3
		medium				Nemhabar	5
		large				Inuppink	7
39. (*)		**Palate: overall color**					
	(c)	whitish				Pure Lagoon	1
		light yellow				Nemhapin	2
		medium yellow				Balarropi	3
		dark yellow				Iupguava	4
		yellow orange				Yateye	5
		orange				E0157-1	6
		orange red					7
		red					8
		purple					9
		purple violet				Blue Button	10
		brownish					11
40.		**Palate: hairs**					
QL	**(c)**	absent				Balarropi	1
		present				Organza	9
41.		**Palate: degree of hairiness**					
QN	**(c)**	weak					3
		medium					5
		strong					7

Char. No.		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
42. (*)		**Spur: longth in relation to lower lip of corolla**					
	(c)	absent or nearly so				Organza	1
		short				Sugar Girl	3
		medium				Balarropi	5
		long				Sumnem 03	7
43. (*) (+)		**Corolla: color change with age**					
QN	**(c)**	absent or very weak				Innocence	1
		medium					2
		strong				Claudette	3
44. (*)		**Inflorscence: densitz of seed capsules**					
QN	**(c)**	Absent or very sparse				Nemhswhi	1
		sparse					2
		medium				Honey Girl	3
		dense				Sumnem 03	4

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

Unless otherwise indicated, all characteristics should be observed at the time of full flowering.

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

(a) Observations on the leaf blade should be made on fully expanded leaves from the middle third of a flowering stem.
(b) To be observed on the upper surface of the leaf blade.
(c) Observations on the corolla should be made on fresh fully open flowers.

8.2 Explanations for individual characteristics

Ad. 2: Plant: height

Plant height should be measured from the surface of the growing medium/container.

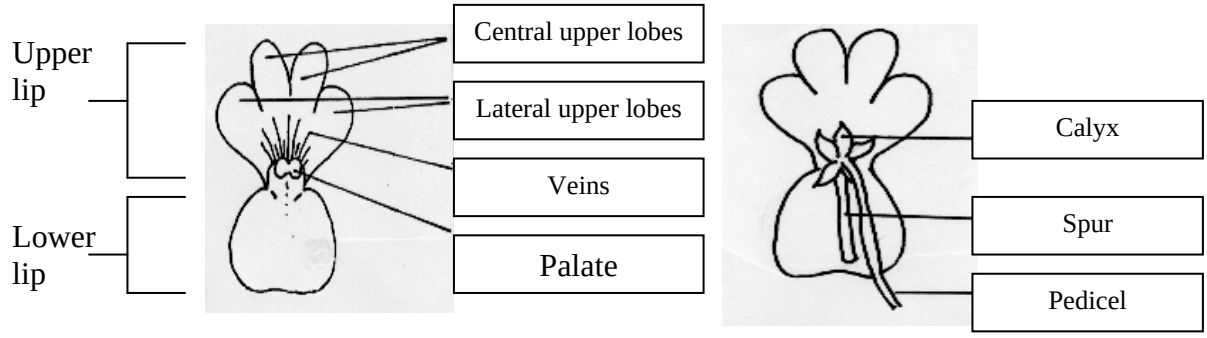
Ad. 12: Leaf: main color

The main color is the one with the largest surface area.

Ad. 15: Inflorescence: density

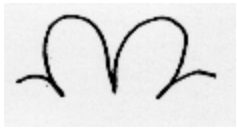
Observations should be made on the middle third of an inflorescence.

Ad. 17: Corolla length
Ad. 18: Corolla width

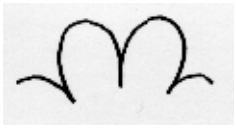


The natural length and width should be assessed.

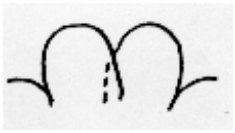
Ad. 20: Upper lip of corolla: relative position of central lobes



1
Separate

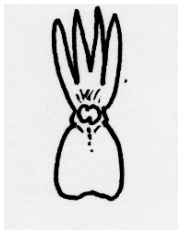


2
Touching

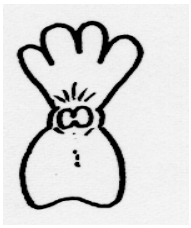


3
Overlapping

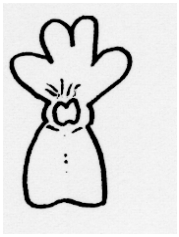
Ad. 21: Upper lip of corolla: attitude of lateral lobes (viewed from the front)



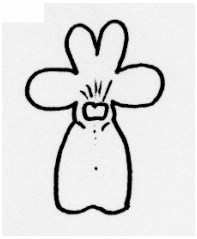
1



2

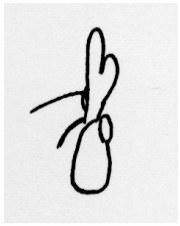


3

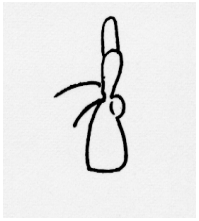


4

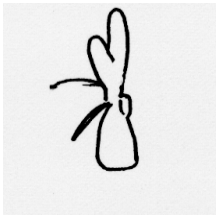
Ad. 21: Upper lip of corolla: position of lateral lobes relative to central lobes (viewed from the side)



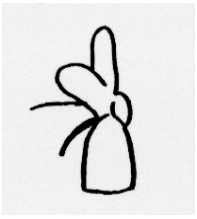
1
To the front of central lobes



2
In line with central lobes

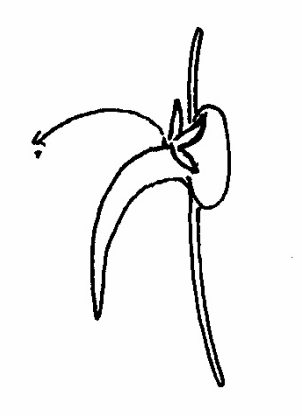


3
Slightly back from central lobes

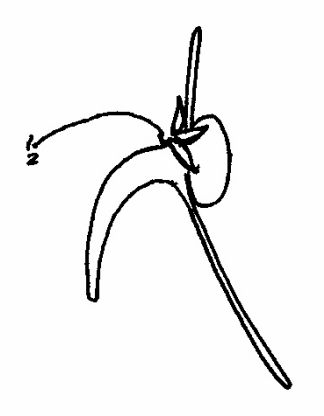


4
Strongly back from central lobes

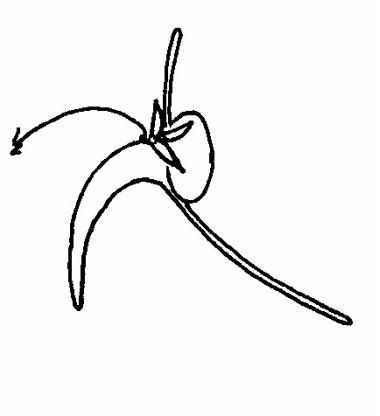
Ad. 35: Lower lip of corolla: incurving



1
absent or weak



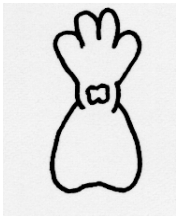
2
medium



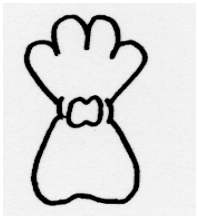
3
strong

To be observed on fully expanded flowers.

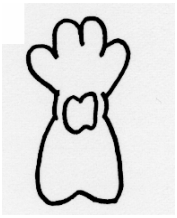
Ad. 43: Palate: size relative to size of lower corolla lip



3
Small



5
Medium



7
Large

Ad. 48: Inflorescence: density of seed capsules

This characteristic should be assessed once the trial has been in full flower for some time. Varieties which set seed will begin to do so rather quickly.

9. Literature

Brickell, C.,(ed.)., 1996: The Royal Horticultural Society A-Z Encyclopedia of Garden Plants, Dorling Kindersley Ltd., London.

Huxley, A., (ed.)., Griffiths, M., (ed.), Levy, M., (ed.)., 1999: The Royal Horticultural Society Dictionary of Gardening, McMillan Reference Ltd., London

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

1.1.1 Botanical name	*Nemesia* Vent.	
1.1.2 Common name	Nemesia	[ ]
1.2 Species/Group (please complete)		[ ]

2. Applicant

Name	
Address	
Telephone No.	
Fax No.	
E-mail address	
Breeder (if different from applicant)	

3. Proposed denomination and breeder's reference

Proposed denomination (if available)	
Breeder's reference	

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

[#]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)
(b) partially known cross [ ]
(please state known parent variety(ies))
(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)

4.2 Method of propagating the variety

4.2.1 Vegetatively propagated varieties:

(a) cuttings [ ]
(b) *in vitro* propagation [ ]
(c) other (state method) [ ]

4.2.2 Seed-propagated varieties

(a) Self-pollination [ ]
(b) Cross-pollination
(i) population [ ]
(ii) synthetic variety [ ]
(c) Hybrid [ ]
(d) Other [ ]
(please provide details)

4.2.3 Other [ ]
(please provide details)

[#] 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:

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 (1)	**Plant: growth habit**		
	upright	Inuppink	1
	semi-upright	D0158-1	2
	spreading	Sumnem 03	3
	semi-trailing	Inupsaf	4
	trailing	Organza	5
5.2 (11)	**Leaf blade: variegation**		
	absent	Innupink	1
	present	Tanith's Treasure	9
5.3 (12)	**Leaf blade: main color**		
	light yellow		1
	medium yellow		2
	dark yellow		3
	yellow green		4
	light green		5
	medium green	Organza	6
	dark green	Nemhabar	7
5.4 (16)	**Corolla: length**		
	short	Sumnem 07	3
	medium	Nemhabar	5
	long	Inupsaf	7

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

5.5 (17)	**Corolla :width**		
	narrow	Sumnem 07	3
	medium	Nemhabar	5
	broad	Inupsaf	7
5.6 i (24)	**Upper lip of corolla: main color of inner side**		
	RHS Colour Chart (indicate reference number)		
5.6 ii (24)	**Upper lip of corolla: main color of inner side**		
	white		
	yellow		
	yellow orange		
	orange		
	orange pink		
	pink		
	blue pink		
	pink red		
	red		
	red purple		
	light violet		
	medium violet		
	dark violet		
	violet blue		
	blue		
5.7 i (35)	**Lower lip of corolla: main color of inner side**		
	RHS Colour Chart (indicate reference number)		

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

5.6 ii (38) Lower lip of corolla: main color of inner side

white		
yellow		
yellow orange		
orange		
orange pink		
pink		
blue pink		
pink red		
red		
red purple		
light violet		
medium violet		
dark violet		
violet blue		
blue		

5.7 (39) Palate: color

white or nearly white	Pure Lagoon	1
pale yellow	Nemhapin	2
mid yellow	Balarropi	3
dark yellow	Iupguava	4
yellow orange	Yateye	5
orange	E0157-1	6
orange red		7
red		8
purple		9
purple violet	Blue Button	10
brownish		11

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.

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
Example	*Corolla: width*	*medium*	*broad*

Comments:

TECHNICAL QUESTIONNAIRE	Page {x} of {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 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 should accompany the Technical Questionnaire.

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes [ ] No [ ]

(b) Has such authorization been obtained?

Yes [ ] No [ ]

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

[#] 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:

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

[End of document]