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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

OLEANDER

UPOV Code: NERIU_OLE

Nerium oleander L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from France

*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,
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Alternative Names: *

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Nerium oleander</i> L., <i>Nerium indicum</i> Mill.	Oleander, Rose Bay, Rose-Laurel	Laurier rose, Oleandre	Oleander	Adelfa, Balandre, Laurel Rosa, Pascua

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 vegetatively propagated varieties of *Nerium oleander* L. of the family *Apocynaceae*.

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 two-year-old plants.

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, **including in particular treatment with dwarfing compound**, 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 two independent growing cycles.

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.

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 *Number of Plants / Parts of Plants to be Examined*

Unless otherwise indicated, all observations should be made on 6 plants or parts taken from each of 6 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, 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 tested, either by growing a further generation, or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous 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:

.....

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) See Explanations on the Table of Characteristics in Chapter 8.1

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

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

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	Plant: Growth type	Plante: Type de croissance				
QL	dwarf	nain			Petite Red, Petite Pienk	1
	normal	normal			Alassio, Altini	2
2.	Plant: growth habit	Plante: port				
QL	upright	érigé			Belle Hélène	1
	semi- upright	demi dressé			Fiesta Pink	2
	sparse	lâche			Altini	3
3.	Plant: height	Plante: hauteur				
QL	short	courte			Nana Rosso	3
	Medium	moyenne			Papa Gambetta	5
	tall	haute			Belle Hélène	7
4.	Shoot: color of upper part (year's shoot)	Rameau: couleur de la partie supérieure (rameau de l'année)				
QL	light green	vert clair			Belle Hélène	1
	medium green	vert moyen			Altini	2
	dark green	vert foncé			Papa Gambetta	3
	reddish brown	brun rougeâtre			Virginie	4
	brown	brun			Fiesta Rodi	5
5.	Shoot: rigidity	Rameau: rigidité				
QL	weak	faible			Mrs Roeding	3
	medium	moyenne			Splendens Giganteum	5
	strong	forte			Belle Hélène	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	Leaf: main colour	Feuille: couleur principale				
QL	light green	vert clair			Petite white	1
	medium green	vert moyen			Alassio	2
	dark green	vert foncé			Papa Gambetta	3
	bluish-green	vert bleuté			JR 95-1	4
7.	Leaf: secondary colour (not chlorophylliar)	Feuille: couleur secondaire (non chlorophyllienne)				
QL	absent	absente			Marie Gambetta	1
	present	présente			Splendens Foleis Variegata	9
8. (*)	Leaf: length of blade	Feuille: longueur du limbe				
QL	short	courte			Petite Pink	3
	medium	moyenne			Hardy Red	5
	long	longue			Alassio	7
9. (*)	Leaf: width of leaf blade	Feuille: largeur du limbe				
QL	narrow	étroite			Papa Gambetta	3
	medium	moyenne			Emile Sahut	5
	broad	large			Emilie	7
10. (+)	Leaf: cross section	Feuille: section transversale				
QL	flat	plate			Nana Rosso, Pink Beauty	1
	concave	concave			Petite Red	2
11. (+)	Leaf blade: rolling	Limbe: enroulement				
QL	absent	absent			Nana Rosso	1
	present	présent			Pink Beauty	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12.	Leaf: brilliance (in shade observation)	Feuille: brilliance (observation à l'ombre)				
QL	absent	absente			Petite Red	1
	present	présente			Papa Gambetta	9
13.	Leaf: pubescence	Feuille: pubescence				
QL	absente	absente			Petite Red, Papa Gambetta	1
	present	présente			JR 95-1	9
14. (* (+)	Inflorescence: shape of upper part	Inflorescence: forme de la partie supérieure				
QL (a)	flat	plat			Petite White	1
	rounded	arrondie			Petite Red	2
	elliptical	elliptique			Petite Pink	3
15.	Inflorescence: position in relation to foliage	Inflorescence: position par rapport au feuillage				
QL (a)	outer	à l'extérieur			East End Pink	1
	same level	au même niveau			Petite Red	2
	inner	à l'intérieur			Alassio	3
16.	Floriferousness:	Floribondité:				
QL (a)	weak	faible			Neridem	3
	medium	moyenne			Soleil Levant	5
	strong	forte			Altini	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17. (*) (+)	Flower bud: shape (24h before opening)	Bouton floral: forme (24 heures avant l'ouverture)				
QL	ellipsoidal	ellipsoïde			Mont Rose	1
	ovoid	ovoïde			Hawai	2
	rhomboid	rhomboïde			JR	3
	globular	globuleux			Splendens Giganteum	4
18.	Flower bud: main colour (24h before opening)	Bouton floral: couleur principale (24 heures avant l'ouverture)				
QL	white or nearly white	blanc ou presque blanc			Petite white	1
	yellow	jaune			Sœur Agnès	2
	light pink	rose clair			Alsace	3
	medium pink	rose moyen			Nana Rosso	4
	dark pink	rose foncé			Louis Pouget	5
	magenta	magenta			Hardy Pink	6
	red	rouge			Italia	7
	light violet	violet clair			Barcelona	8
19,	Flower bud: swelling before opening	Bouton floral: gonflement avant l'ouverture				
QL	absent	absent			Alsace	1
	present	présent			Angiolo Pucci	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
20.	Flower: colour group	Fleur: groupe de couleur				
QL (a)	white or nearly white	blanc ou presque blanc			Petite white, Alsace, Mont-Blanc	1
	yellow	jaune			Isle of Capri, Luteum Plenum	2
	salmon	saumon			Angiolo Pucci	3
	pink salmon	rose-saumon			Tito Poggi, Hawai, Mrs Roeding	4
	light pink	rose-clair			Magaly, East End Pink	5
	medium pink and dark-pink	rose-moyen et rose-foncé			Alassio, Emilie, Roseum plenum	6
	light violet	violet clair			Barcelona	7
	magenta	magenta			JR, Commandant Barthélémy	8
	red	rouge			Altini, Petite Red, Tamouré	9
21. (*)	Flower: type	Fleur: type				
QL (a)	single	simple			Emilie	1
	double	double			Professeur Granel	2
	treble	triple			Mrs Roeding	3
22. (*)	Flower: diameter total	Fleur: diamètre total				
QL (a)	small	petit			Petite Red	3
	medium	moyen			Mrs Roeding	5
	large	grand			Roseum Plenum	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
23. (*) (+)	Flower: shape (view from above)	Fleur: forme (vue de dessus)				
QL	(a) round	ronde			Mrs Roeding	1
	pinwheel-shaped	turbinée			Emilie	2
	irregular	irrégulière			Splendens Foleis Variegata	3
	star-shaped	étoilée			Isle of Capri	4
24. (*) (+)	Flower: profile of upper part of corolla (fully opened flower)	Fleur: profil de la partie supérieure de la corolle (fleur complètement ouverte)				
QL	(a) flat	droit			Hawai	1
	wide-mouthed	évasé			Isle of Capri	2
	funnel-shape	en entonnoir			Petite Pink	3
25.	Flower: fragrance	Fleur: parfum				
QL	(a) absent or very weak	nul ou très faible			Jordan Valley	1
	weak	faible			Arizona	3
	medium	moyen			Alassio	5
	strong	fort			Louis Pouget	7
26.	Petal: size	Pétale: taille				
QL	(a) small	petite			Petite white	3
	medium	moyenne			Mont Blanc	5
	large	grande			Claudia	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
27. (*) (+)	Petal: predominant shape	Pétale: forme prédominante				
PQ	(a) type 1	type 1			Belle Hélène	1
	type 2	type 2			Italia	2
	type 3	type 3			Neguev	3
	type 4	type 4			Red Beauty	4
	type 5	type 5			Splendens Foleis Variegata	5
	type 6	type 6			Luteum Plenum	6
28. (*) (+)	Petal: margin of blade	Pétale: bord du limbe				
PQ	(a) entire	entier			Hardy Red	1
	échancré	notched				2
	sinuate	sinué			Commandant Barthélémy	3
	lobed	lobé			Madame Allen	4
29. (*)	Petal: colour of inner side	Pétale: couleur de la face interne				
PQ	(a) RHS Color Chart (indicate référence number)	code RHS des couleurs (indiquer le numéro de référence)				
30. (*)	Petal: streaks					
PQ	(a) absent	absentes			Ville de la Londe	1
	present	présentes			Commandant Barthélémy	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
31. (+)	Petal: streaks repartition	Pétale: répartition des stries				
PQ (a)	isolated	isolées			Emilie	1
	regularly distributed	distribuées régulièrement			Harriet Newding	2
	random	aléatoires			Commandant Barthélémy	3
	variegations	panachures			JR 95-1	4
32.	Petal: margin zone on the left of upper side	Pétale: liseré sur le côté gauche de la face supérieure				
PQ (a)	absent	absent			Professeur Granel	1
	present	présent			Virginie	9
33. (*)	Petal: colour of the lower side base	Pétale: couleur de la base de la face inférieure				
PQ (a)	white	blanc			Splendens Giganteum	1
	pinkish white	blanc rosé			Tamouré	2
	cream (witish yellow)	crème (jaune blanchâtre)			Emilie	3
	light yellow	jaune clair			Petite Pink	4
	yellow	jaune			Marie Gambetta	5
	greenish yellow	jaune verdâtre			Alsace	6
	orange-yellow	jaune orangé			Isle of Capri	7
	orange	orange			Luteum Plenum	8
	pink	rose			Petite Red	9
	purplish pink	rose violacé			Petite White	10
	red	rouge			Neridem	11

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
34. (*)	Petaloids inside of throat	Pétaloïdes à l'intérieur de la gorge				
PQ	(a) absent	absents			Grandiflorum	1
	present	présents			Roseum Plenum	9
35. (*)	Petaloids at level of the first inner corolla	Pétaloïdes au niveau de la première corolle interne				
PQ	(a) absent	absents			Mont Blanc	1
	present	présents			Splendens Giganteum	9
36.	Tube of corolla: length	Tube de la corolle: longueur				
PQ	(a) absent or very short	nulle ou très courte			Roseum Plenum	1
	short	courte			Tamouré	3
	medium	moyenne			Emilie	5
	long	longue			Hardy Red	7
37. (*)	Tube of corolla: colour	Tube de la corolle: couleur				
PQ	(a) white or nearly white	blanc ou presque blanc			Splendens Foleis Variegata	1
	pinkish white	blanc rosé			Petite Red	2
	light yellow	jaune clair			Sœur Agnès	3
	yellow	jaune			Marie Gambetta	4
	pinkish yellow	jaune rosé			Alsace	5
	orange-yellow	jaune orangé			Angiolo Pucci	6
	orange	orange			Luteum Plenum	7
	pink	rose			Petite White	8
	purplish pink	rose violacé			Virginie	9
	mauve	mauve			Barcelona	10
	red	rouge			Pirate des Caraïbes	11

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
38. (*)	Corolline appendages: length	Appendices corollins : longueur				
PQ (a)	very short	très courte			Neguev, Tavira	1
	short	courte			Maurin des Maures	3
	medium	moyenne			Emilie	5
	long	longue			Rosa Bartolini	7
	very long	très longue			Jannoch	9
39. (*)	Crown of corolline appendages: shape	Couronne des appendices corollins: forme				
PQ (a)	tubular	en tube			Ville de Carpentras	1
	wide-mouthed	évasée			Sœur Agnès	2
	adhered to the petal	appliquée			East End Pink	3
40. (*)	Corolline appendages lobes: denticulation	Lobes des appendices corollins: découpure				
PQ (a)	absent or very weak	absente ou très faible			Neguev	1
	weak	faible			Maurin des Maures	3
	moderate	moyenne			Emilie	5
	strong	forte			Rosa Bartolini	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
41. (*)	Corolla throat: inner colour (opened throat)	Gorge de la corolle: couleur de l'intérieur (gorge ouverte)				
PQ (a)	white	blanche			Petite Pink	
	cream	crème			Grandiflorum	
	yellow	jaune			Marie Gambetta	
	orange	orange			Luteum Plenum	
	light pink	rose clair			Virginie	
	medium pink	rose moyen		Belle Hélène		
	magenta	magenta			Hardy Red	
	red	rouge			Fiesta Rodi	
42.	Corolla throat: inner colour of bottom (opened throat)	Gorge de la corolle: couleur du fond à l'intérieur (gorge ouverte)				
PQ (a)	white	blanc			Petite White	1
	cream	crème			Claudia	2
	yellow	jaune			Angiolo Pucci	3
	orange-yellow	jaune orangé			Luteum Plenum	4
	orange	orange			Mont Blanc	5
43. (*)	Corolla throat: inner distribution of colour	Gorge: répartition de la couleur à l'intérieur				
PQ (a)	uniform	unie			Mont Blanc	1
	striate	striée			Louis Pouget	2
	one striped	unirayée			Hardy Red	3
	multistriated	multirayée			Angiolo Pucci	4
	striped and streaked	rayée et striée			Madame Allen	5

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
44.	Corolla throat: diameter	Gorge de la corolle: diamètre				
PQ	(a) small	petit			Mrs Roeding	3
	medium	moyen			Rosita	5
	large	grand			Alassio	7
45.	Stamens: extrusion of plumose appendix of anther	Etamines: extrusion des appendices plumeux des anthères				
PQ	(a) absent or very weak	nulle ou très faible			Professeur Granel	1
	weak	faible			Mont Blanc	3
	medium	moyenne			Altini	5
	strong	forte			Hardy Red	7
46.	Calyx: colour	Calice: couleur				
PQ	(a) green	vert			Mont Blanc	1
	green and red	vert et rouge			Alsace	2
	red	rouge			Fiesta Pienk	3
	purple	violet			Haifa	4
	reddish brown	brun rougeâtre			Roseum Plenum	5
	dark brown	brun foncé			Commandant Barthélémy	6
47.	Sepals: length	Sépales: longueur				
PQ	(a) short	courte			Luteum Plenum	3
	medium	moyenne			Altini	5
	long	longue			Petite White	7
48. (* (+)	Sepals: position in relation to corolla tube	Sépales: position par rapport au tube de la corolle				
PQ	(a) adpressed to the tube	appliquée			Rosa Bartolini	1
	spaced	écartée			Grandiflorum	2
	curving outwards	recourbée			JR	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
49.	Flower pedicels: colour	Pédicelles floraux: couleur				
PQ (a)	green	vert			Neguev	1
	green and red	vert et rouge			Belle Hélène	2
	green and purple	vert et violet			Barcelona	3
	red	rouge			Altini	4
	brown	brun			Maréchal Grazziani	5
50.	Flowering: type	Floraison: type				
PQ	once flowering	fleurit une fois			JR 95-2	1
	twice flowering	fleurit deux fois			Splendens Giganteum	2
	almost continuous flowering	floraison presque continue			Altini, Belle Hélène	3
	Time of beginning of flowering					
51.	Time of beginning of flowering	Epoque du début de la floraison				
PQ	early	précoce			Italia	3
	medium	moyenne			Marie Gambetta	5
	late	tardive			Hawai	7
52.	Fruit: length	Fruit: longueur				
PQ	short	courte			Rosita, Marie- Mauron	3
	medium	moyenne			Sœur Agnès, Italia	5
	long	longue			Pink Beauty, Roseum Plenum	7
53.	Fruit: diameter	Fruit: diamètre				
PQ	small	petit			Roseum Plenum	
	medium	moyen			Pink Beauty	
	large	grand			Marie Mauron	

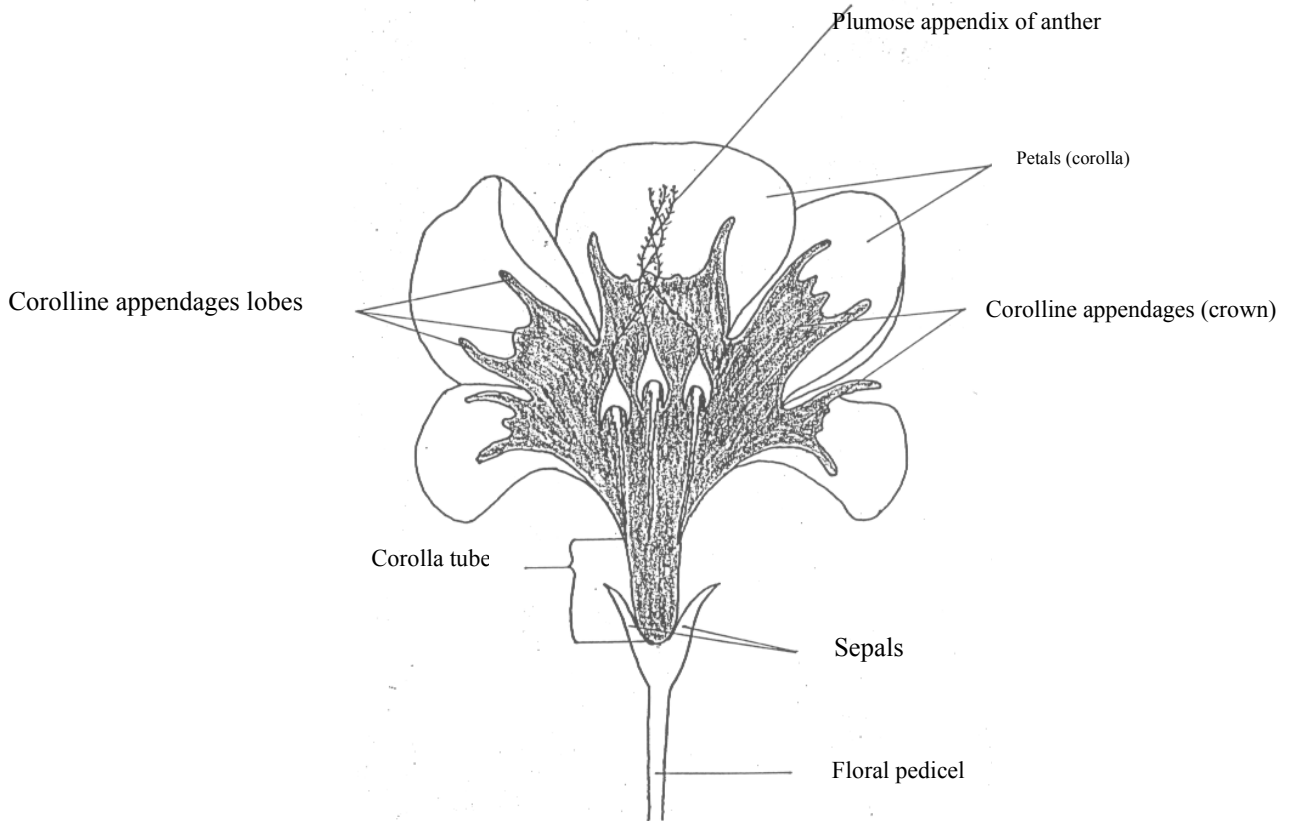
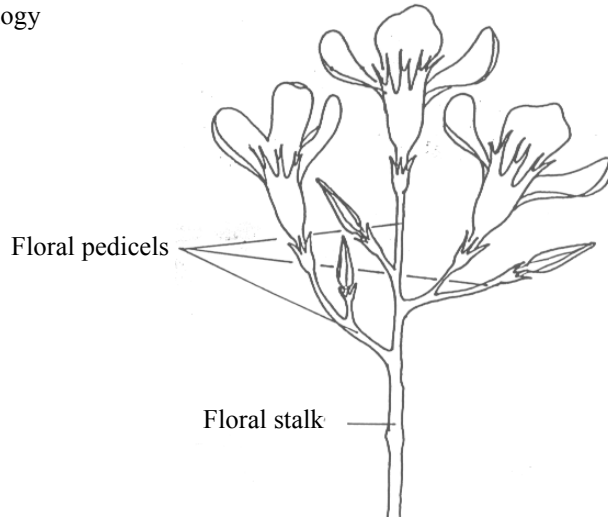
	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
54. (+)	Fruit: predominant shape	Fruit: forme prédominante				
PQ	straight	droit			Maurin des Maures	1
	sickle	en faucille			Italia	2
	irregular	irrégulier			Emilie	3
55.	Fruit: colour	Fruit: couleur				
PQ	light green	vert clair			Alsace	1
	green and red	vert et rouge			Docteur Raggioneri	2
	red	rouge			Nana Rosso	3
56.	Time of beginning of fructification	Epoque du début de la fructification				
PQ	very early	très précoce				1
	early	précoce				3
	medium	moyenne				5
	late	tardive				7
	very late	très tardive				9

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

8.1.1 *Illustration of flower*

General terminology



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

(a) observations on the flower which should be made on the day of opening at first flush of flower

8.2 Explanations for individual characteristics

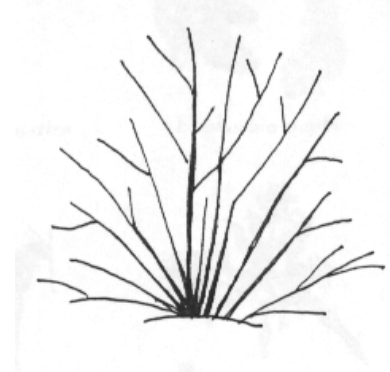
Ad. 2: Plant: growth habit



1
upright



2
semi-upright



3
sparse

Ad. 10-11 Leaf: cross section



1
flat



2
concave

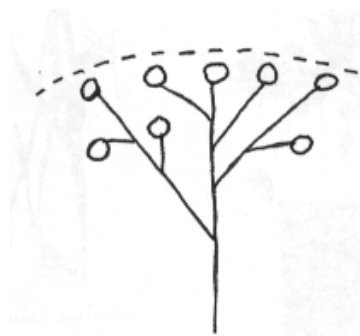


3
absent

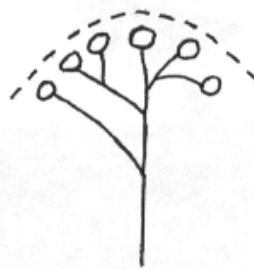


4
present

Ad. 14 Inflorescence: shape of upper part



1
flat



2
rounded



3
elliptical

Ad. 17 Flower bud: shape (24h before opening)



1
ellipsoidal



2
ovoid

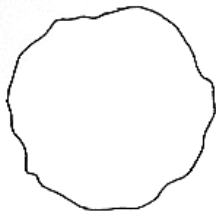


3
rhomboid

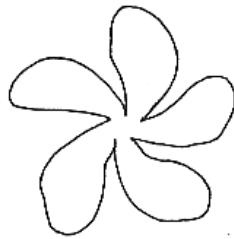


4
globular

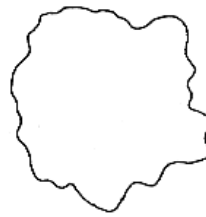
Ad. 23 Flower shape (view from above)



1
round



2
Pinwheel-shaped



3
irregular



4
Star-shaped

Ad. 24: Flower: profile of terminal part of corolla (fully opened flower)



1
flat

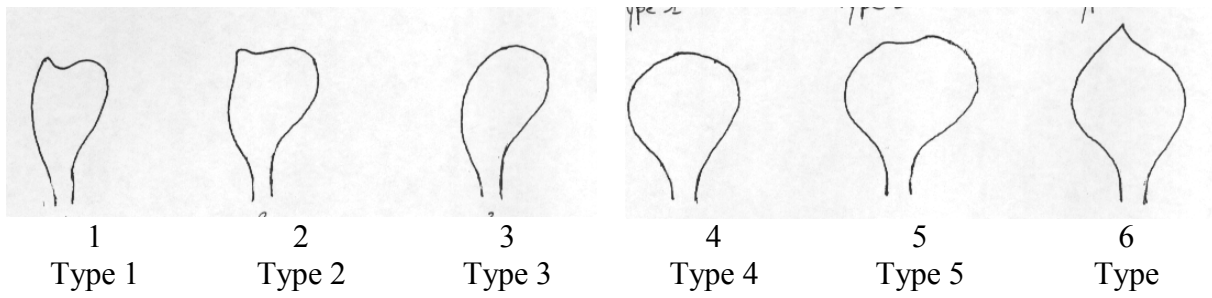


2
wide-mouthed

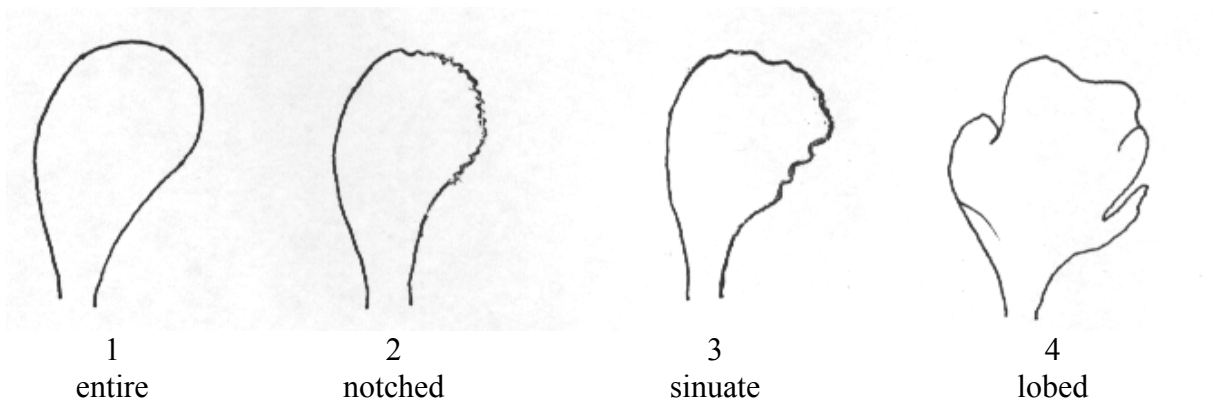


3
funnel-shaped

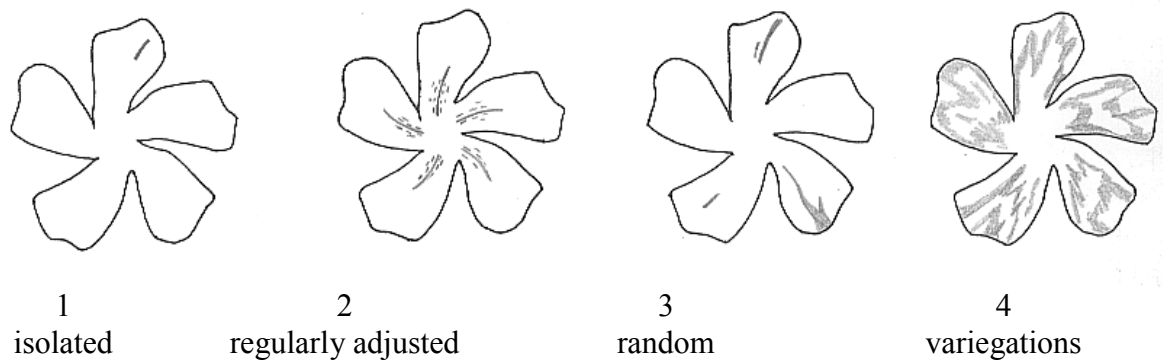
Ad. 27: Petal: predominant shape



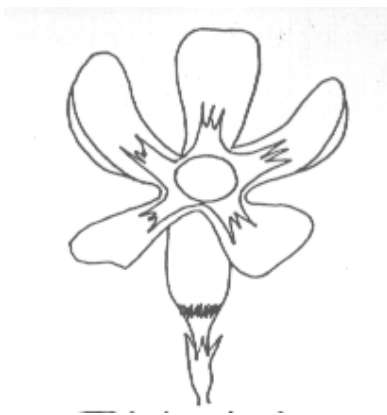
Ad. 28 Petal: margin of blade



Ad. 31 Petal: streaks repartition



Ad. 33 Petal: colour of the lower side base



Ad. 44 Corolla throat: diameter



Ad. 48 Petal: colour of the lower side base



1
adpressed to the tube



2
spaced



3
Curving outwards

Ad. 48 Petal: colour of the lower side base



1
straight



2
sickle



3
irregular

9. Literature

‘The Handbook on Oleanders’, 1996, Richard & Mary Helen Eggenberger, Tropical Plant Specialist, Cleveland, Georgia, US.

‘Oleanders, Guide to culture and selected varieties on Galveston Island’, 1991, International Oleander Society, Galveston, Texas, US.

‘Oleanders, Nerium L. and the oleander cultivars’, 1987, F.J.J. Pagen, Agricultural University Wageningen Papers, 87-2, NL.

‘Guide de Reconnaissance des Lauriers-roses’, 1997, Pépinière Filippi, Mèze, Hérault, FR.

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="Nerium oleander L."/>	
1.2 Common name	<input type="text" value="Oleander"/>	
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"/>	

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)	[]	
<div style="border: 1px solid black; width: 430px; height: 40px; margin-left: 165px;"></div>		

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>4.2 Method of propagating the variety</p>		
<p>4.2.1 Vegetative propagation</p>		
(a) rootstock		[]
<p>(please indicate rootstock used)</p>		
<div style="border: 1px solid black; height: 90px; width: 100%;"></div>		
(b) <i>in vitro</i> propagation		[]
(c) other (state method)		[]
4.2.2 Other		[]
<p>(please provide details)</p>		
<div style="border: 1px solid black; height: 28px; width: 100%;"></div>		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
<p>5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).</p>			
Characteristics	Example Varieties	Note	
<p>5.1 Plant: growth type</p>			
(1) dwarf	Petite Red, Petite Pienk	1[]	
normal	Alassio, Altini	2[]	
<p>5.2 Plant: growth habit</p>			
(2) elongated	Belle Hélène	1[]	
clustered	Fiesta Pink	2[]	
sparse	Altini	3[]	
<p>5.3 Flower: type</p>			
(21) single	Emilie	1[]	
double	Professeur Granel	2[]	
triple	Mrs roeding	3[]	
<p>5.4 Flower colour group</p>			
(20) white or nearly white	Petite white, Alsace, Mont blanc	1[]	
yellow	Isle of Capri, Luteum Plenum	2[]	
salmon	Angiolo Pucci	3[]	
pink-salmon	Tito Poggi, Hawaiï, Mrs Roeding	4[]	
light pink	Magaly, East End Pink	5[]	
medium pin and dark pink	Alassio, Emilie, Roseum	6[]	
light violet	Barcelona	7[]	
magenta	JR, Cdt Barthélémy	8[]	
red	Altini, Petite Red, Tamouré	9[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
<p>6. Similar varieties and differences from these varieties</p> <p><i>Please use the following table and box for comments to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.</i></p>			
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>[e.g. Flower color]</i>	<i>[e.g. orange]</i>	<i>[e.g. orange red]</i>
<p>Comments:</p>			

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>#7. Additional information which may help in the examination of the variety</p> <p>7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?</p> <p>Yes [] No []</p> <p>(If yes, please provide details)</p> <p>7.2 Are there any special conditions for growing the variety or conducting the examination?</p> <p>Yes [] No []</p> <p>(If yes, please provide details)</p> <p>7.3 Other information</p> <p>7.3.1 Resistance to pests and diseases</p> <p>7.3.2 Conditions for examining the variety</p> <p>(a) in the open []</p> <p>(b) in pots []</p> <p>7.3.3 A representative color photograph of the variety should accompany the Technical Questionnaire.</p>		
<p>8. Authorization for release</p> <p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?</p> <p>Yes [] No []</p> <p>(b) Has such authorization been obtained?</p> <p>Yes [] No []</p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p>		

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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) | 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”.

.....

ASW 17

“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

Signature

Date