

TG/VANIL(proj.3) ORIGINAL: English DATE: 2013-03-19

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

DRAFT

VANILLA

UPOV Code VANIL_PLA

Vanilla planifolia Jacks.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Mexico

to be considered by the

Technical Working Party for Fruit Crops at its forty-fourth session, to be held in Napier, New Zealand, from April 29 to May 3, 2013

Alternative Names:*

Botanical name	English	French	German	Spanish
Vanilla planifolia Jacks.	Vanilla	Vanillier	Vanille-Pflanze	Vainilla, Xanath

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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ANNEX OBSERVATIONS AND COMMENTS ON DOCUMENT TG/VANIL(PROJ.3)

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

These Test Guidelines apply to all varieties of Vainilla planifolia Jacks. and interspecific hybrids.

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 plants.

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

10 plants.

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. <u>Method of Examination</u>

3.1 Number of Growing Cycles

3.1.1 The minimum duration of tests should normally be two independent growing cycles. In particular, it is essential that the plants produce a satisfactory crop of fruit in each of the two growing cycles.

3.1.2 The growing cycle is considered to be the period ranging from the beginning of active vegetative growth or flowering, continuing through active vegetative growth or flowering and fruit development and concluding with the harvesting of fruit.

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

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. In particular, it is essential that the plants produce a satisfactory crop of fruit in the main fruiting period in each of the two growing years, since the species may have waves of fruiting within a year.

3.4 Test Design

3.4.1 Each test should be designed to result in a total of at least 10 plants.

3.4.2 The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.

3.5 Additional Tests

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

4. <u>Assessment of Distinctness, Uniformity and Stability</u>

4.1 Distinctness

4.1.1 General Recommendations

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

4.1.2 Consistent Differences

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

4.1.3 Clear Differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.1.4 Number of Plants / Parts of Plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, 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, disregarding any off-type plants.

In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 2.

4.1.5 Method of Observation

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

- MG: single measurement of a group of plants or parts of plants
- MS: measurement of a number of individual plants or parts of plants
- VG: visual assessment by a single observation of a group of plants or parts of plants
- VS: visual assessment by observation of individual plants or parts of plants

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

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

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

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, "G" provides a single record per variety and it is not

possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness.

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

4.2 Uniformity

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

4.2.2 For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance probability of at least 95 % should be applied. In the case of a sample size of 10 plants, one off-type is allowed.

4.3 Stability

4.3.1 In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, stability may be further examined by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

5. <u>Grouping of Varieties and Organization of the Growing Trial</u>

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) Stem: color (Characteristic 1)
- (b) Leaf blade: color (Characteristic 12)
- (c) Leaf blade: shape (Characteristic 20)
- (d) Fruit: color (Characteristic 29)
- (e) Fruit: length (Characteristic 32)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction and document TGP/9 "Examining Distinctness".

6. Introduction to the Table of Characteristics

6.1 Categories of Characteristics

6.1.1 Standard Test Guidelines Characteristics

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

6.1.2 Asterisked Characteristics

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

6.2 States of Expression and Corresponding Notes

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

6.2.2 In the case of qualitative and pseudo-qualitative characteristics (see Chapter 6.3), all relevant states of expression are presented in the characteristic. However, in the case of quantitative characteristics with 5 or more states, an abbreviated scale may be used to minimize the size of the Table of Characteristics. For example, in the case of a quantitative characteristic with 9 states, the presentation of states of expression in the Test Guidelines may be abbreviated as follows:

State	Note
small	3
medium	5
large	7

However, it should be noted that all of the following 9 states of expression exist to describe varieties and should be used as appropriate:

State	Note
very small	1
very small to small	2
small	3
small to medium	4
medium	5
medium to large	6
large	7
large to very large	8
very large	9

6.2.3 Further explanation of the presentation of states of expression and notes is provided in document TGP/7 "Development of Test Guidelines".

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 QN PQ	Qualitative characteristic Quantitative characteristic Pseudo-qualitative characteristic	 see Chapter 6.3 see Chapter 6.3 see Chapter 6.3 			
MG, MS, VG, VS - see Chapter 4.1					

- (a)-(c) See Explanations on the Table of Characteristics in Chapter 8.1
 (+) See Explanations on the Table of Characteristics in Chapter 8.2.

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

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	VG	Stem: color					
QN	(a)	light				Acamaya	1
		medium				Oreja de Burro, Princesa, Totonaku	2
		dark				Amarela, Espada	3
2.	VG	Stem: variegation					
QL	(a)	absent				Totonaku	1
		present				Acamaya	9
3.	VG	Stem: shape in cross section					
(+)							
QN	(a)	round				Acamaya, Totonaku	1
		round to angular					2
4.	VG/ MS	angular Stem: diameter					3
QN	(a)	small				Acamaya, Princesa	3
	()	medium				Totonaku	5
		large				Amarela	7
5.	VG/ MS	Stem: internode length	1				
QN	(a)	short				Acamaya, Princesa	3
		medium				Amarela, Totonaku	5
		long				Oreja de Burro	7
6.	VG	Stem: surface					
QN	(a)	smooth				Acamaya, Totonaku	1
		medium				Amarela	2
		rough					3
7.	VG	Stem: spots					
(+)							
QL	(a)	absent				Princesa, Totonaku	1
		present				Espada, Oreja de Burro	9
8. (*) (+)	VG	Leaf blade: conspicuousness of main vein					
QN	(a)	weakly visible				Princesa, Totonaku	1
		slightly visible					2
		clearly visible					3

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
9. (*) (+)	VG	Leaf blade: shape of apex					
PQ	(a)	obtuse				Princesa, Totonaku	1
		acute				Acamaya, Oreja de Burro	2
		acuminate				Espada	3
10. (*)	VG/ MS	Leaf: petiole length					
QN	(a)	short				Princesa	3
		medium				Acamaya, Totonaku	5
		long					7
11.	VG	Leaf blade: base					
(+)							
QL	(a)	clasping				Oreja de Burro, Totonaku	1
		tapering				Acamaya, Princesa	2
12. (*)	VG	Leaf blade: color					
PQ	(a)	yellow white				Acamaya	1
		light green				Oreja de Burro	2
		medium green				Totonaku	3
		dark green				Amarela	4
13. (*) (+)	VG	Leaf blade: variegation	I				
QL	(a)	absent				Oreja de Burro, Totonaku	1
		present				Acamaya	9
14.	VG/ MS	Leaf blade: length					
QN	(a)	short				Acamaya	3
		medium				Princesa, Totonaku	5
		long				Oreja de Burro	7
15.	VG/ MS	Leaf blade: width					
QN	(a)	narrow				Acamaya	3
		medium				Princesa, Totonaku	5
		broad				Oreja de Burro	7
16. (+)	VG/ MS	Leaf blade: length/width ratio					
QN	(a)	moderately compressed				Amarela	3
	. ,	medium				Oreja de Burro, Totonaku	5
		moderately elongated				Espada	7

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		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17.	VG	Leaf blade: symmetry					
QN	(a)	symmetric or slightly asymmetric				Princesa, Totonaku	1
		moderately asymmetric				Espada	2
		strongly asymmetric					3
18. (*)	VG/ MS	Leaf: thickness					
QN	(a)	thin				Acamaya	3
		medium				Princesa, Totonaku	5
		thick				Oreja de Burro	7
19.	VG	Leaf blade: transversal section					
(+)		flat ar alightly appague				Acomovo Totopoku	4
QN	(a)	flat or slightly concave				Acamaya, Totonaku	1
		moderately concave				Espada Oreja de Burro	2
20	VC	strongly concave				Oleja de Bullo	3
20. (*) (+)	VG	Leaf blade: shape					
PQ	(a)	narrow ovate				Espada	1
		medium ovate					2
		elliptic				Princesa	3
		obovate				Oreja de Burro	4
		oblong				Acamaya, Totonaku	5
21.	MG/ MG	Inflorescence: number of flowers					
QN	(b)	few				Acamaya	3
		medium				Oreja de Burro, Princesa	5
		many				Totonaku	7
22.	VG	Flower: rostellum width					
(+)		a c					
QN	(b)	narrower than stigma					1
		as broad as stigma					2
		wider than stigma					3
23.	۷G	Flower: color of tepals					4
PQ	(b)	whitish 					1
		green yellow				Oreja de burro, Totonaku	2
		yellow 					3
		yellow orange					4

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		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
24. (*) (+)	VG	Flower: color of label					
QL	(b)	white					1
		green					2
		yellow				Amarela, Oreja de Burro, Totonaku	3
		orange					4
		purple					5
25. (*) (+)	VG/ MS	Flower: labellum length					
QN	(b)	short					3
		medium				Totonaku	5
		long					7
26. (+)	VG/ MS	Flower: length of gynandrium					
QN	(b)	short					3
		medium					5
		long					7
27.	VG/ MS	Flower: length of petals					
QN	(b)	short					3
		medium				Oreja de Burro, Totonaku	5
		long					7
28.	VG/ MS	Flower: width of petal					
QN	(b)	narrow					3
		medium					5
		broad					7
29. (*)	VG	Fruit: color					
PQ	(c)	yellow					1
		greenish yellow					2
		medium green				Princesa, Totonaku	3
		dark green					4
30.	VG	Fruit: shape					
(+)							
PQ	(c)	ovate					1
		oblong				Totonaku	2
		obovate				Amarela	3

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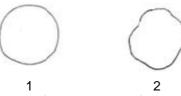
		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
31.	VG	Fruit: transversal					
(+)		section shape					
PQ	(c)	circular					1
		elliptic					2
		medium ovate					3
		broad ovate					4
		trullate					5
		triangular				Amarela	6
32. (*)	VG/ MS	Fruit: length					
QN	(c)	short				Acamaya	3
		medium				Totonaku	5
		long				Amarela	7
33.	VG	Fruit: texture of surface					
QN	(c)	smooth				Amarela, Totonaku	1
		medium					2
		rough					3
34.	VG	Fruit: grooves					
QN	(c)	absent or slightly visible	9			Oreja de Burro, Princesa, Totonaku	1
		moderately visible					2
		clearly visible					3

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

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

- (a) <u>Stem and leaf</u>: All observations on stem and fully developed leaves should be made, when the first fruit is fully developed. The observations on stem should be taken at mid-length of the stem.
- (b) <u>Inflorescence and flower</u>: All observations which should be made on fully expanded inflorescence.
- (c) <u>Fruit</u>: All observations should be made on fruit at physiological maturity.
- 8.2 Explanations for individual characteristics
- Ad. 3: Stem: shape in cross section



round

2 round to angular



3 angular

Ad. 7: Stem: spots



absent



present

Ad. 8: Leaf blade: conspicuousness of main vein



weakly visible

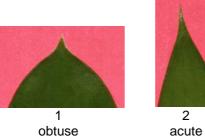


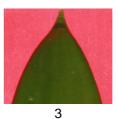
slightly visible



3 clearly visible

Ad. 9: Leaf blade: shape of apex





acuminate

Ad. 11: Leaf blade: base



clasping



tapering

Ad. 13: Leaf blade: variegation



absent



present

Ad. 16: Leaf blade: length/width ratio



moderately compressed

3



7 moderately elongated

Ad. 19: Leaf blade: transversal section

1 flat or slightly concave

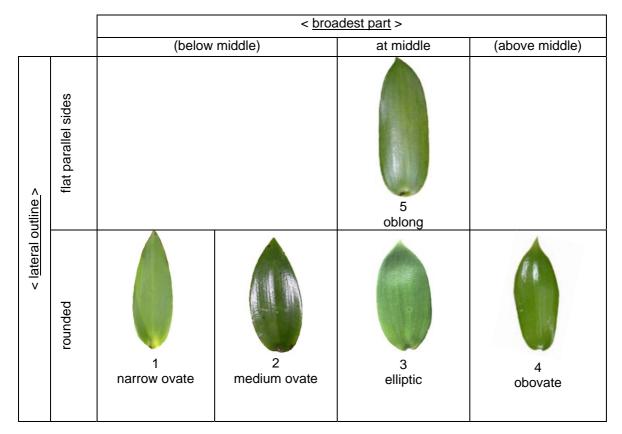
5

medium

2 moderately concave

3 strongly concave

Ad. 20: Leaf blade: shape

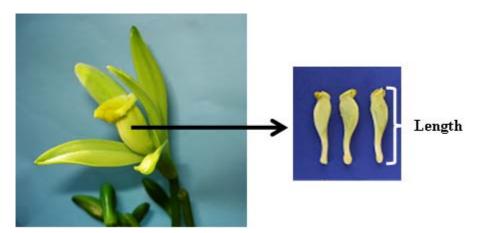


Ad. 22: Flower: rostellum width

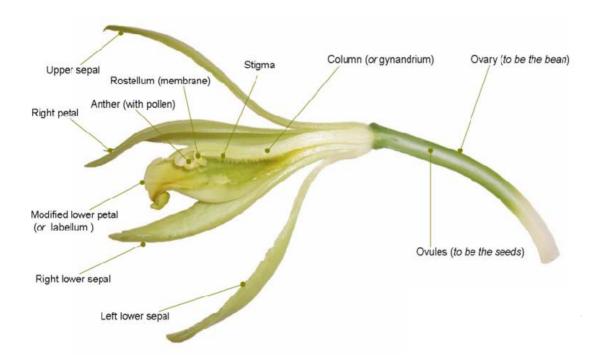
SEE COMMENT IN ANNEX

1	2	3
narrower than	as broad as	wider than stigma
stigma	stigma	

Ad. 25: Flower: labellum length



Ad. 26: Flower: length of gynandrium



Ad. 30: Fruit: shape





Ad. 31: Fruit: transversal section shape

			< <u>broad</u>	est part >	
		(below	<i>r</i> middle)	at middle	(above middle)
< <u>lateral outline</u> >	rounded	3 medium ovate	4 broad ovate	l l l l l l l l l l l l l l l l l l l	2 elliptic
	angular parts	5 trullate	6 triangular		

9. <u>Literature</u>

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10. <u>Technical Questionnaire</u>

TEC	HNICAL QI	UESTIONNAIRE	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 B	Botanical name Var	nilla planifolia Jacks.						
	1.2 C	Common name Var	illa						
2.	Applican	nt							
	Name								
	Address								
	Telepho	ne No.							
	Fax No.								
	E-mail a	ddress							
	Breeder	(if different from applicant)							
3.	Proposed denomination and breeder's reference								
	Propose (if availa	d denomination							
	Breeder'	's reference							

TECHNICAL QUES	TIONNAIRE	Page {x} of {y}		Reference Number:	
4.1 Breedir	a the breeding scheme an ng scheme resulting from: Crossing (a) controlled cros		he variet	ty []	
(female pa	(please state p arent (b) partially known	arent varieties) x	male pa)	
(female pa)	x) arent [] []	
4.1.3	Discovery and develo (please state where a		d and ho	[] ow developed)	
4.1.4	Other (please provide details	5)		[]	
L					

TECHNICAL QUE	ESTIONNAIRE	Page {x} of {y}	Reference Number:				
4.2 Meth	4.2 Method of propagating the variety						
4.2.1	Seed-propagated varietie	es					
	 (a) Self-pollination (b) Cross-pollination (i) population (ii) synthetic var (c) Hybrid (d) Other (please provide definition 		[] [] [] []				
4.2.2	2 Vegetative propagation (a) cuttings	1	[]				
	(b) in vitro propagatio	on	[]				
	(c) grafting		[]				
	(d) other (state metho	od)	[]				

ТЕОШ	NICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:						
5. charao	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)	Stem: color								
	light		Acamaya	1[]					
	medium		Oreja de Burro, Princesa, Totonaku	2[]					
	dark		Amarela, Espada	3[]					
5.2 (12)	Leaf blade: color								
	yellow white		Acamaya	1[]					
	light green		Oreja de Burro	2[]					
	medium green		Totonaku	3[]					
	dark green		Amarela	4[]					
5.3 (20)	Leaf blade: shape								
	narrow ovate		Espada	1[]					
	medium ovate			2[]					
	elliptic		Princesa	3[]					
	obovate		Oreja de Burro	4[]					
	oblong		Acamaya, Totonaku	5[]					
5.4 (29)	Fruit: color								
	yellow			1[]					
	greenish yellow			2[]					
	medium green		Princesa, Totonaku	3[]					
	dark green			4[]					

TECH	NICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
	Characteristics		Example Varieties	Note
5.5 (32)	Fruit: length			
	very short			1[]
	very short to short			2[]
	short		Acamaya	3[]
	short to medium			4[]
	medium		Totonaku	5[]
	medium to long			6[]
	long		Amarela	7[]
	long to very long			8[]
	very long			9[]

TECHNICAL QUESTIONNA	Page {x} of {y} Refe		Reference Num	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 your candidate from the simila	variety differs	Describe the expression of the characteristic(s) for the similar variety(ies)		Describe the expression of the characteristic(s) for your candidate variety	
			ı	note 1	note 4	
Example	Fruit:	color	yellow		dark green	
Comments:						

<u> </u>				1					
TECH	INICAL Q	UESTION	NNAIRE	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, p	blease pro	ovide details)						
7.2	Are the	re any sp	ecial conditions for g	prowing t	the variety	y or condu	cting the examination?		
	Yes	[]		No	[]				
	(If yes, p	please pro	ovide details)						
7.3	Other ir	oformation	٦						
A repi	resentativ	e color in	nage of the variety s	hould ac	company	the Tech	nical Questionnaire.		
8.	Authoriz	zation 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	o []			
	(b) l	Has such	authorization been	obtained	?				
	•	Yes	[]	No	o []			
	If the answer to (b) is yes, please attach a copy of the authorization.								

TECHNICAL QUESTIONNAIRE Page {x} of {y} Reference Number:									
9. Inform	9. Information on plant material to be examined or submitted for examination.								
pests and di	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, ba	acteria, phytoplasma)	Yes []	No []					
(b)	Chemical treatment (e.g. growth retardant, pesticide) Yes [] No []								
(c) Tissue culture Yes [] No []									
(d)	(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			

[Annex follows]

TG/VANIL(proj.3)

ANNEX

OBSERVATIONS AND COMMENTS ON DOCUMENT TG/VANIL(PROJ.3)

	FRANCE: This wording might be misleading when used for names of the taxa taking into						
Front page: Alternative Names:	account the particular meaning of "alternative names" according to the International Code of Botanical Nomenclature: " <i>alternative names</i> . Two or more different names based on the same type proposed simultaneously for the same taxon by the same autor".						
2.2 and 2.3	FRANCE: Proposes to have cuttings instead of plants. MEXICO would like to keep the plants instead of cuttings.						
3.1.1	FRANCE: The 2 growing cycles requested for examination could be performed on the same plant (looped vine) during two different years (= growing cycle), and thus not really independent.						
	FRANCE: Are they really independent growing cycles (comment of TWC as reported in the document TWO/35/7-TWF/33/15 15. Conclusions: The TWC agreed the following modifications in the text of document TGP/9.6 (additional text underlined and deleted text strikethrough) Paragraph 4 to read as follows: <i>"4. For some crops, such as fruit trees, the same plants are examined over successive years. In this case, the condition of independence of growing cycles is not also satisfied. But, as it would be impossible in practice to plant successive trials, this is accepted"</i>)						
Char. 22	To add (+)						
	MX: We don't have variation on this characteristic. It is proposed to delete the characteristic.)						
Char. 23	MX: We don't have other colors in our varieties. There is no variation in <i>Vanilla planifolia</i> . It is proposed to delete the characteristic.						
New Char. 24 Proposed by France	MX: We don't have other colors in our varieties. There is no variation in <i>Vanilla planifolia</i> .						
Char. 25	MX: We don't have example varieties for the other states. To delete (*)						
Char. 29	MX: We don't have example varieties for the other states. To delete (*)						
29. (c)	FRANCE: Fruits at physiological maturity are yellowish to dark brown. This scale seems appropriate for immature fruits only (6-8 months). Distinct stage for examination for Char.29 should be specified in section 8. MEXICO: In Mexico fruits of 7 to 8 months are considered at physiological maturity and they can be picked, they are not in an immature state. So the description in (c) is the correct.						
8.1 (a)	FRANCE: The observations on stem should be taken at mid-length of actively growing stem. MEXICO: To keep as it is "The observations on stem should be taken at mid-length of the stem."						

[End of document]