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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

GRANADILLA, PASSION FRUIT *

UPOV Code(s): PASSI_EDU

Passiflora edulis Sims

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Australia

to be considered by the

Technical Committee at its sixty-first session,
to be held Geneva from 2025-10-20 to 2025-10-21

Disclaimer: this document does not represent UPOV policies or guidance

Alternative Names:*

Botanical name	*English*	*French*	*German*	*Spanish*
Passiflora edulis Sims	Granadilla, Passion fruit	Barbadine, Fruit de la passion	Passionsfrucht, Purpurgranadilla	Granadilla, Maracuyá

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.]

TABLE OF CONTENTS PAGE

1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Passiflora edulis* Sims.

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 vegetatively propagated young plants.

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

5 rooted cuttings or 5 vegetatively propagated young plants.

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

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

3. Method of Examination

3.1 Number of Growing Cycles

3.1.1 The minimum duration of tests should normally be two independent growing cycles.

3.1.2 The two independent growing cycles may be observed from a single planting, examined in two separate growing cycles.

3.1.3 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.

3.1.4 In particular, it is essential that the plants produce a satisfactory crop of fruit in each of the two growing cycles.

3.1.5 To ensure satisfactory crop of good quality fruits, four freshly opened flowers from each of the five plants should be hand pollinated and marked. Fruit developed from these flowers should be used for assessing fruit characteristics.

3.1.6 The testing of a variety may be concluded when the competent authority can determine with certainty the outcome of the test.

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.

3.4 Test Design

3.4.1 Each test should be designed to result in a total of at least 5 plants.

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

3.5 Additional Tests

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

4. Assessment of Distinctness, Uniformity and Stability

4.1 Distinctness

4.1.1 General Recommendations

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

4.1.2 Consistent Differences

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

4.1.3 Clear Differences

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

4.1.4 Number of Plants or Parts of Plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts of plants taken from each of 5 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 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 These Test Guidelines have been developed for the examination of vegetatively propagated varieties. For varieties with other types of propagation, the recommendations in the General Introduction and document TGP/13 "Guidance for new types and species" Section 4.5 "Testing Uniformity" should be followed.

4.2.3 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 5 plants, no off-types are 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 seed or plant stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

(a) Flower: anthocyanin spots on style (characteristic 35)
(b) Fruit: height (characteristic 37)
(c) Fruit: color of skin (characteristic 42)
(d) Fruit: weight (characteristic 44)
(e) Fruit: color of pulp (characteristic 45)
(f) Plant: self-incompatibility (characteristic 48)

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 All relevant states of expression are presented in the characteristic.

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

		English		français		deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1	**2**	**3**	**4**	**5**	**6**	**7**			
		Name of characteristics in English		**Nom du caractère en français**		**Name des Merkmals auf Deutsch**	**Nombre del carácter en español**		
		states of expression		types d'expression		Ausprägungsstufen	tipos de expresión		

1 Characteristic number

2 (*) Asterisked characteristic – see Chapter 6.1.2

3 Type of expression
QL Qualitative characteristic – see Chapter 6.3
QN Quantitative characteristic – see Chapter 6.3
PQ Pseudo-qualitative characteristic – see Chapter 6.3

4 Method of observation (and type of plot, if applicable)
MG, MS, VG, VS – see Chapter 4.1.5

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

6 (a)-(i) See Explanations on the Table of Characteristics in Chapter 8.1

7 Not applicable See Explanations on the Table of Characteristics in Chapter 8.3

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

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	**QN VG**	**(+)**					
	Plant: vigor	**Plante : vigueur**	**Pflanze: Wuchsstärke**	**Planta: vigor**		
	very weak	très faible	sehr gering	muy débil	Lacey	1
	weak	faible	gering	débil	Misty Gem	2
	medium	moyenne	mittel	medio	Tango	3
	strong	forte	stark	fuerte	Flamenco	4
	very strong	très forte	sehr stark	muy fuerte	Toms Special	5
2.	**PQ VG**	**(+)**					
	Shoot: color	**Rameau : couleur**	**Trieb: Farbe**	**Rama: color**		
	light green	vert clair	hellgrün	verde claro	Nellie Kelly Black, Summer Queen	1
	medium green	vert moyen	mittelgrün	verde medio	Misty Gem	2
	dark green	vert foncé	dunkelgrün	verde oscuro	Charité, Ester	3
	greenish purple	pourpre verdâtre	grünlichpurpurn	púrpura verdoso		4
	purple	pourpre	purpurn	púrpura	Panama Gold	5
3.	**QN VG**		**(a)**				
	Plant: relative number of leaves with three lobes	**Plante : nombre relatif de feuilles à trois lobes**	**Pflanze: relative Anzahl dreilappiger Blätter**	**Planta: número relativo de hojas con tres lóbulos**		
	absent or very few	absent ou très petit	fehlend oder sehr gering	ausente o muy bajo	OPA6/19	1
	few	petit	gering	bajo		2
	medium	moyen	mittel	medio	OPA4/19	3
	many	élevé	hoch	alto	Misty Gem	4
	very many	très élevé	sehr hoch	muy alto	Flamenco, Toms Special	5
4.	**QN VG**						
	Stipules: anthocyanin coloration	**Stipules : pigmentation anthocyanique**	**Nebenblatt: Anthocyanfärbung**	**Estípulas: pigmentación antociánica**		
	absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Flamenco	1
	medium	moyenne	mittel	media		2
	strong	forte	stark	fuerte	Panama Gold	3
5.	**QN VG**		**(a)**				
	Leaf blade: blistering	**Limbe : cloqûre**	**Blattspreite: Blasigkeit**	**Limbo: ampollado**		
	absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Panama Gold	1
	medium	moyenne	mittel	medio	Panama Red	2
	strong	forte	stark	fuerte	Nellie Kelly Black	3

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	**QN** **MG/MS/VG**		**(a), (b)**				
	Leaf blade: length		**Limbe : longueur**	**Blattspreite: Länge**	**Limbo: longitud**		
	very short		très courte	sehr kurz	muy corta		1
	very short to short		très courte à courte	sehr kurz bis kurz	muy corta a corta		2
	short		courte	kurz	corta	Lacey	3
	short to medium		courte à moyenne	kurz bis mittel	corta a media	Sweetheart	4
	medium		moyenne	mittel	media	Flamenco, Misty Gem	5
	medium to long		moyenne à longue	mittel bis lang	media a larga	Panama Red	6
	long		longue	lang	larga	OPA3/19, OPA4/19	7
	long to very long		longue à très longue	lang bis sehr lang	larga a muy larga	OPA12/19	8
	very long		très longue	sehr lang	muy larga	OPA6/19	9
7.	**QN** **MG/MS/VG**		**(a), (b)**				
	Leaf blade: width		**Limbe : largeur**	**Blattspreite: Breite**	**Limbo: anchura**		
	very narrow		très étroite	sehr schmal	muy estrecha		1
	very narrow to narrow		très étroite à étroite	sehr schmal bis schmal	muy estrecha a estrecha		2
	narrow		étroite	schmal	estrecha	E23	3
	narrow to medium		étroite à moyenne	schmal bis mittel	estrecha a media	Lacey	4
	medium		moyenne	mittel	media	Misty Gem, Toms Special	5
	medium to broad		moyenne à large	mittel bis breit	media a ancha	Flamenco	6
	broad		large	breit	ancha	OPA13/19, Tango	7
	broad to very broad		large à très large	breit bis sehr breit	ancha muy ancha	OPA3/19	8
	very broad		très large	sehr breit	muy ancha		9
8.	**QN** **MG/MS/VG**		**(a), (b)**				
	<u>Only varieties with:</u> <u>Plant: relative number of leaves with three lobes:</u> <u>present</u>: Leaf blade: width of the middle lobe		**<u>Seulement variétés avec : Plante : nombre relatif de feuilles à trois lobes : présent</u> : Limbe : largeur du lobe médian**	**<u>Nur Sorten mit: Pflanze: relative Anzahl dreilappiger Blätter: vorhanden</u>: Blattspreite: Breite des Mittellappens**	**<u>Sólo variedades con: Planta: número relativo de hojas con tres lóbulos: presente</u>: Limbo: anchura del lóbulo medio**		
	very narrow		très étroite	sehr schmal	muy estrecha		1
	very narrow to narrow		très étroite à étroite	sehr schmal bis schmal	muy estrecha a estrecha		2
	narrow		étroite	schmal	estrecha	Lacey, Sweetheart	3
	narrow to medium		étroite à moyenne	schmal bis mittel	estrecha a media	E23, Toms Special	4
	medium		moyenne	mittel	media	Misty Gem	5
	medium to broad		moyenne à large	mittel bis breit	media a ancha	OPA5/19, OPA7/19	6
	broad		large	breit	ancha	OPA11/19, OPA4/19	7
	broad to very broad		large à très large	breit bis sehr breit	ancha muy ancha	McGuffies Red, OPA3/19	8
	very broad		très large	sehr breit	muy ancha	OPA12/19	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
9.	**QN VG**		**(a)**				
	Leaf blade: intensity of green color of upper side	**Limbe : intensité de la couleur verte de la face supérieure**	**Blattspreite: Intensität der Grünfärbung der Oberseite**	**Limbo: intensidad del color verde del haz**			
	very light	très claire	sehr hell	muy clara			1
	light	claire	hell	clara		Lacey	2
	medium	moyenne	mittel	media		McGuffies Red, Pandora	3
	dark	foncée	dunkel	oscura		Sweetheart, Tango	4
	very dark	très foncée	sehr dunkel	muy oscura		OPA6/19	5
10.	**QN VG**		**(a)**				
	Leaf blade: glossiness of upper side	**Limbe : brillance de la face supérieure**	**Blattspreite: Glanz der Oberseite**	**Limbo: brillo del haz**			
	weak	faible	gering	débil		E23	1
	medium	moyenne	mittel	medio		Flamenco, Tango	2
	strong	forte	stark	fuerte		OPA6/19, Sweetheart	3
11.	**PQ VG**	**(+)**	**(a)**				
	Leaf blade: shape of base	**Limbe : forme de la base**	**Blattspreite: Form der Basis**	**Limbo: forma de la base**			
	acute	aiguë	spitz	aguda			1
	obtuse	obtuse	stumpf	obtusa			2
	truncate	tronquée	gerade	truncada			3
	weakly cordate	faiblement cordée	gering herzförmig	débilmente cordada		OPA4/19	4
	strongly cordate	fortement cordée	stark herzförmig	fuertemente cordada		Flamenco, Misty Gem	5
12.	**QN MG/MS/VG**	**(+)**	**(a), (b)**				
	Leaf blade: depth of sinus	**Limbe : profondeur du sinus**	**Blattspreite: Tiefe der Einbuchtungen**	**Limbo: profundidad del seno**			
	absent or very shallow	absente ou très peu profonde	fehlend oder sehr flach	ausente o muy poco profunda		OPA6/19	1
	shallow	peu profonde	flach	poco profunda			2
	medium	moyenne	mittel	media		Panama Red	3
	deep	profonde	tief	profunda		Panama Gold	4
	very deep	très profonde	sehr tief	muy profunda			5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
13.		**QN MS/VG**	**(a)**				
		Petiole: length	**Pétiole : longueur**	**Blattstiel: Länge**	**Peciolo: longitud**		
		very short	très courte	sehr kurz	muy corta		1
		very short to short	très courte à courte	sehr kurz bis kurz	muy corta a corta		2
		short	courte	kurz	corta	Tango, Toms Special	3
		short to medium	courte à moyenne	kurz bis mittel	corta a media	Misty Gem, OPA13/19	4
		medium	moyenne	mittel	media	Flamenco, OPA3/19	5
		medium to long	moyenne à longue	mittel bis lang	media a larga	McGuffies Red, OPA4/19	6
		long	longue	lang	larga	OPA11/19, OPA7/19	7
		long to very long	longue à très longue	lang bis sehr lang	larga a muy larga	OPA12/19	8
		very long	très longue	sehr lang	muy larga		9
14.		**QN VG**	**(a)**				
		Petiole: anthocyanin coloration	**Pétiole : coloration anthocyanique**	**Blattstiel: Anthocyanfärbung**	**Peciolo: pigmentación antociánica**		
		absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Misty Gem, Toms Special	1
		medium	moyenne	mittel	media	Lacey, McGuffies Red	2
		strong	forte	stark	fuerte	Panama Gold	3
15.	**(*)**	**QL VG**	**(+)** **(a)**				
		Petiole: position of nectaries	**Pétiole : position des nectaires**	**Blattstiel: Position der Nektarien**	**Peciolo: posición de los nectarios**		
		adjacent to the base of the leaf blade	adjacente à la base du limbe	an die Basis der Blattspreite anstoßend	adyacente a la base del limbo	Flamenco, Lacey	1
		distant from the base of the leaf blade	éloignée de la base du limbe	von der Basis der Blattspreite entfernt	distante de la base del limbo	E23, OPA3/19	2
16.		**QN MG/MS/VG**	**(c)**				
		Flower: length of pedicel	**Fleur : longueur du pédicelle**	**Blüte: Länge des Blütenstiels**	**Flor: longitud del pedicelo**		
		very short	très courte	sehr kurz	muy corta		1
		short	courte	kurz	corta	Lacey	2
		medium	moyenne	mittel	media	Misty Gem	3
		long	longue	lang	larga	Flamenco, Toms Special	4
		very long	très longue	sehr lang	muy larga	OPA11/19, Sweetheart	5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17.	**QN MG/MS/VG**		**(c), (d)**				
	Flower: length of bracts	**Fleur : longueur des bractées**	**Blüte: Länge der Hüllblätter**	**Flor: longitud de las brácteas**			
	very short	très courte	sehr kurz	muy corta			1
	short	courte	kurz	corta	Lacey, Misty Gem		2
	medium	moyenne	mittel	media	OPA3/19, Toms Special		3
	long	longue	lang	larga	McGuffies Red, OPA6/19		4
	very long	très longue	sehr lang	muy larga	OPA12/19, Sweetheart		5
18.	**QN MG/MS/VG**		**(c), (d)**				
	Flower: width of bracts	**Fleur : largeur des bractées**	**Blüte: Breite der Hüllblätter**	**Flor: anchura de las brácteas**			
	very narrow	très étroite	sehr schmal	muy estrecha			1
	narrow	étroite	schmal	estrecha	Flamenco, OPA13/19		2
	medium	moyenne	mittel	media	McGuffies Red, Pandora		3
	broad	large	breit	ancha	OPA7/19, Tango		4
	very broad	très large	sehr breit	muy ancha	OPA6/19		5
19.	**QL VG**		**(c)**				
	Flower: nectaries on bracts	**Fleur : nectaires sur les bractées**	**Blüte: Nektarien auf Hüllblättern**	**Flor: nectarios en las brácteas**			
	absent	absents	fehlend	ausentes			1
	present	présents	vorhanden	presentes	Misty Gem		9
20.	**QL VG**		**(c)**				
	Only varieties with Flower: nectaries on bract: present: Flower: color of nectaries on bracts	**Seulement variétés avec Fleur : nectaires sur les bractées : présents : Fleur : couleur des nectaires sur les bractées**	**Nur Sorten mit Blüte: Nektarien am Hüllblatt: vorhanden: Blüte: Farbe der Nektarien auf den Hüllblättern**	**Sólo variedades con Flor: nectarios en las bráctea: presentes: Flor: color de los nectarios en las brácteas**			
	green	vert	grün	verde	Lacey		1
	purple	pourpre	purpurn	púrpura	OPA7/19		2
21.	**QN MG/MS/VG**		**(c), (d)**				
	Flower: length of sepals	**Fleur : longueur des sépales**	**Blüte: Länge der Kelchblätter**	**Flor: longitud de los sépalos**			
	very short	très courte	sehr kurz	muy corta			1
	short	courte	kurz	corta	Lacey		2
	medium	moyenne	mittel	media	Misty Gem, Sweetheart		3
	long	longue	lang	larga	OPA11/19		4
	very long	très longue	sehr lang	muy larga			5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
22.	**QN** **MG/MS/VG**		**(c), (d)**				
	Flower: width of sepals	**Fleur : largeur des sépales**	**Blüte: Breite der Kelchblätter**	**Flor: anchura de los sépalos**			
	very narrow	très étroite	sehr schmal	muy estrecha			1
	narrow	étroite	schmal	estrecha	OPA5/19		2
	medium	moyenne	mittel	media	Lacey, Misty Gem		3
	broad	large	breit	ancha	OPA11/19		4
	very broad	très large	sehr breit	muy ancha			5
23.	**QN** **MG/MS/VG**		**(c), (d)**				
	Flower: length of petals	**Fleur : longueur des pétales**	**Blüte: Länge der Blütenblätter**	**Flor: longitud de los pétalos**			
	very short	très courte	sehr kurz	muy corta			1
	short	courte	kurz	corta	OPA5/19		2
	medium	moyenne	mittel	media	Flamenco, Sweetheart		3
	long	longue	lang	larga	McGuffies Red, Panama Red		4
	very long	très longue	sehr lang	muy larga			5
24.	**QN** **MG/MS/VG**		**(c), (d)**				
	Flower: width of petals	**Fleur : largeur des pétales**	**Blüte: Breite der Blütenblätter**	**Flor: anchura de los pétalos**			
	very narrow	très étroite	sehr schmal	muy estrecha			1
	narrow	étroite	schmal	estrecha	Lacey, OPA3/19		2
	medium	moyenne	mittel	media	Flamenco, Sweetheart		3
	broad	large	breit	ancha	Toms Special		4
	very broad	très large	sehr breit	muy ancha			5
25.	**QN** **MG/MS/VG**		**(c), (e)**				
	Flower: length of androgynophore	**Fleur : longueur de l'androgynophore**	**Blüte: Länge des Androgynophors**	**Flor: longitud del androginóforo**			
	very short	très courte	sehr kurz	muy corta			1
	short	courte	kurz	corta	Lacey, Misty Gem		2
	medium	moyenne	mittel	media	OPA12/19, Toms Special		3
	long	longue	lang	larga	Flamenco, OPA3/19		4
	very long	très longue	sehr lang	muy larga			5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
26.		**QN VG**	**(+) (c)**				
		Flower: intensity of purple color on inner filaments in throat	**Fleur : intensité de la couleur pourpre sur les filaments intérieurs dans la gorge**	**Blüte: Intensität der Purpurfärbung der Kronenstaubfäden im Schlund**	**Flor: intensidad del color púrpura en los filamentos interiores de la garganta**		
		absent or light	absente ou claire	fehlend oder hell	ausente o clara	Flamenco	1
		medium	moyenne	mittel	media	OPA3/19, Toms Special	2
		dark	foncée	dunkel	oscura	OPA12/19	3
27.		**QN MG/MS/VG**	**(c), (f)**				
		Flower: diameter of corona including filaments	**Fleur : diamètre de la couronne incluant les filaments**	**Blüte: Durchmesser der Krone einschließlich Staubfäden**	**Flor: diámetro de la corona incluidos los filamentos**		
		very small	très petit	sehr klein	muy pequeño		1
		small	petit	klein	pequeño	Lacey	2
		medium	moyen	mittel	medio	Misty Gem, Sweetheart	3
		large	grand	groß	grande	OPA12/19	4
		very large	très grand	sehr groß	muy grande		5
28.		**QN MG/MS/VG**	**(c), (f)**				
		Flower: width of purple rings on corona filaments	**Fleur : largeur des anneaux pourpres sur les filaments de la partie supérieure**	**Blüte: Breite der purpurnen Ringe an den Kronenstaubfäden**	**Flor: anchura de los anillos de color púrpura en los filamentos de la corona**		
		absent or very narrow	absente ou très étroite à	fehlend oder sehr schmal	ausente o muy estrecha		1
		narrow	étroite	schmal	estrecha	OPA7/19	2
		medium	moyenne	mittel	media	OPA5/19, Sweetheart	3
		broad	large	breit	ancha	OPA12/19	4
		very broad	très large	sehr breit	muy ancha		5
29.	**(*)**	**QN VG**	**(c)**				
		Flower: intensity of color of purple rings on corona filaments	**Fleur : intensité de la couleur des anneaux pourpres sur les filaments de la partie supérieure**	**Blüte: Intensität der Farbe der purpurnen Ringe an den Kronenstaubfäden**	**Flor: intensidad del color púrpura de los anillos en los filamentos de la corona**		
		light	claire	hell	clara	OPA7/19	1
		medium	moyenne	mittel	media	Lacey, Misty Gem	2
		dark	foncée	dunkel	oscura	OPA12/19	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
30.	**QN MG/MS/VG**	**(c), (g)**				
	Anther: length	**Anthère : longueur**	**Anthere: Länge**	**Antera: longitud**		
	short	courte	kurz	corta		1
	medium	moyenne	mittel	media	Flamenco, Misty Gem	2
	long	longue	lang	larga	OPA11/19, OPA12/19	3
31.	**QN MG/MS/VG**	**(c), (g)**				
	Anther: width	**Anthère : largeur**	**Anthere: Breite**	**Antera: anchura**		
	narrow	étroite	schmal	estrecha		1
	medium	moyenne	mittel	media	Sweetheart, Toms Special	2
	broad	large	breit	ancha	OPA13/19, OPA4/19	3
32.	**QN MG/MS/VG**	**(c), (e)**				
	Ovary: length	**Ovaire : longueur**	**Fruchtknoten: Länge**	**Ovario: longitud**		
	short	courte	kurz	corta	E23	1
	medium	moyenne	mittel	media	Flamenco, Sweetheart	2
	long	longue	lang	larga	OPA11/19, Toms Special	3
33.	**QN MG/MS/VG**	**(c), (e)**				
	Ovary: width	**Ovaire : largeur**	**Fruchtknoten: Breite**	**Ovario: anchura**		
	narrow	étroite	schmal	estrecha	E23	1
	medium	moyenne	mittel	media	Flamenco, Sweetheart	2
	broad	large	breit	ancha	OPA11/19, Toms Special	3
34.	**QN VG**	**(c)**				
	Anther: number of anthocyanin spots on filament	**Anthère : nombre de plages anthocyaniques sur le filament**	**Anthere: Anzahl Anthocyanflecken am Staubfaden**	**Antera: número de zonas antociánicas en el filamento**		
	absent or very few	absent ou très petit	fehlend oder sehr gering	ausente o muy bajo		1
	few	petit	gering	bajo	Flamenco, Toms Special	2
	medium	moyen	mittel	medio	OPA11/19, Sweetheart	3
	many	élevé	hoch	alto	Lacey, OPA3/19	4
	very many	très élevé	sehr hoch	muy alto		5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35.	**(*)**	**QN VG**	**(+) (c)**				
		Flower: anthocyanin spots on style	**Fleur : plages anthocyaniques sur le style**	**Blüte: Anthocyanflecken am Griffel**	**Flor: zonas antociánicas en el estilo**		
		absent or few	absentes ou peu	fehlend oder gering	ausentes o pocas	Lacey, OPA11/19	1
		medium	moyennes	mittel	medias	OPA5/19, OPA7/19	2
		many	nombreuses	hoch	abundantes	OPA3/19	3
36.		**QN VG**	**(c)**				
		Flower: number of anthocyanin spots on androgynophore	**Fleur : nombre de plages anthocyaniques sur l'androgynophore**	**Blüte: Anzahl Anthocyanflecken am Androgynophor**	**Flor: número de zonas antociánicas en el estilo en el androginóforo**		
		absent or few	absent ou petit	fehlend oder gering	ausente o bajo	Lacey, OPA13/19, OPA3/19	1
		medium	moyen	mittel	medio	OPA4/19, Sweetheart	2
		many	élevé	hoch	alto	Flamenco, Toms Special	3
37.	**(*)**	**QN MG/MS/VG**	**(h), (i)**				
		Fruit: height	**Fruit : hauteur**	**Frucht: Höhe**	**Fruto: altura**		
		very short	très basse	sehr niedrig	muy baja		1
		very short to short	très basse à basse	sehr niedrig bis niedrig	muy baja a baja		2
		short	basse	niedrig	baja	E23, Lacey	3
		short to medium	basse à moyenne	niedrig bis mittel	baja a media		4
		medium	moyenne	mittel	media	Flamenco, OPA13/19	5
		medium to tall	moyenne à haute	mittel bis hoch	media a alta		6
		tall	haute	hoch	alta	McGuffies Red, OPA11/19	7
		tall to very tall	haute à très haute	hoch bis sehr hoch	alta a muy alta		8
		very tall	très haute	sehr hoch	muy alta	Golden Giant	9
38.		**QN MG/MS/VG**	**(h), (i)**				
		Fruit: diameter	**Fruit : diamètre**	**Frucht: Durchmesser**	**Fruto: diámetro**		
		very small	très petit	sehr klein	muy pequeño		1
		very small to small	très petit à petit	sehr klein bis klein	muy pequeño a pequeño		2
		small	petit	klein	pequeño	E23, Lacey	3
		small to medium	petit à moyen	klein bis mittel	pequeño a medio		4
		medium	moyen	mittel	medio	Flamenco, Pandora	5
		medium to large	moyen à grand	mittel bis groß	medio a grande		6
		large	grand	groß	grande	OPA12/19	7
		large to very large	grand à très grand	groß bis sehr groß	grande a muy grande		8
		very large	très grand	sehr groß	muy grande	Golden Giant	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
39.	**QN** **MG/MS/VG**		**(h)**				
	Fruit: ratio height/diameter	**Fruit : rapport hauteur/diamètre**		**Frucht: Verhältnis Höhe/Durchmesser**	**Fruto: relación altura/diámetro**		
	very low	très bas		sehr klein	muy baja		1
	low	bas		klein	baja		2
	medium	moyen		mittel	media	Lacey, OPA3/19	3
	high	élevé		groß	alta	McGuffies Red	4
	very high	très élevé		sehr groß	muy alta		5
40.	**PQ** **VG**	**(+)**	**(h)**				
	Fruit: shape in longitudinal view	**Fruit : forme en vue longitudinale**		**Frucht: Form in Längsansicht**	**Fruto: forma en vista longitudinal**		
	oblate	arrondie-aplatie		breitrund	achatada	BRS GA1	1
	obtuse ovate	ovale obtuse		stumpf eiförmig	oval obtusa	Panama Red	2
	circular	circulaire		kreisförmig	circular	Lacey, Misty Gem, OPA3/19	3
	obovate	obovale		verkehrt eiförmig	oboval		4
	acute ovate	aiguë ovale		spitz eiförmig	oval aguda	Pandora	5
	broad elliptical	elliptique large		breit elliptisch	elíptica ancha	McGuffies Red, OPA6/19	6
	narrow elliptical	elliptique étroite		schmal elliptisch	elíptica estrecha		7
41.	**QN** **VG**		**(h)**				
	Fruit: number of lenticels	**Fruit : nombre de lenticelles**		**Frucht: Anzahl Lentizellen**	**Fruto: número de lenticelas**		
	absent or very low	absent ou très bas		fehlend oder sehr gering	ausente o muy bajo		1
	low	bas		gering	bajo	McGuffies Red	2
	medium	moyen		mittel	medio	OPA6/19	3
	many	élevé		hoch	alto	Pandora	4
	very many	très élevé		sehr hoch	muy alto	Misty Gem, Panama Red	5

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
42.	**(*)**	**PQ VG**	**(h)**				
		Fruit: color of skin	**Fruit : couleur de la peau**	**Frucht: Farbe der Schale**	**Fruto: color de la piel**		
		green	vert	grün	verde		1
		light yellow	jaune clair	hellgelb	amarillo claro		2
		medium yellow	jaune moyen	mittelgelb	amarillo medio	Brazilian Gold, Inca Gold	3
		dark yellow	jaune foncé	dunkelgelb	amarillo oscuro	Panama Gold	4
		reddish orange	orange rougeâtre	rötlichorange	naranja rojizo		5
		red	rouge	rot	rojo	McGuffies Red	6
		reddish purple	pourpre rougeâtre	rötlichpurpurn	púrpura rojizo	Sweetheart, Toms Special	7
		medium purple	pourpre moyen	mittelpurpurn	púrpura medio	Misty Gem, Tango	8
		dark purple	pourpre foncé	dunkelpurpurn	púrpura oscuro	Nellie Kelly Black	9
43.		**QN MG/MS/VG**	**(+) (h)**				
		Fruit: thickness of skin	**Fruit : épaisseur de la peau**	**Frucht: Dicke der Schale**	**Fruto: grosor de la piel**		
		very thin	très mince	sehr dünn	muy delgado		1
		very thin to thin	très mince à mince	sehr dünn bis dünn	muy delgado a delgado		2
		thin	mince	dünn	delgado	OPA6/19	3
		thin to medium	mince à moyenne	dünn bis mittel	delgado a medio		4
		medium	moyenne	mittel	medio	E23, Flamenco, Misty Gem	5
		medium to thick	moyenne à épaisse	mittel bis dick	medio a grueso		6
		thick	épaisse	dick	grueso	OPA3/19, Pandora	7
		thick to very thick	épaisse à très épaisse	dick bis sehr dick	grueso a muy grueso		8
		very thick	très épaisse	sehr dick	muy grueso	OPA12/19	9
44.	**(*)**	**QN MG/MS**	**(+) (h)**				
		Fruit: weight	**Fruit : poids**	**Früchte: Gewicht**	**Fruto: peso**		
		very low	très bas	sehr gering	muy bajo	E23	1
		very low to low	très bas à bas	sehr gering bis gering	muy bajo a bajo		2
		low	bas	gering	bajo	Lacey, Misty Gem	3
		low to medium	bas à moyen	gering bis mittel	bajo a medio		4
		medium	moyen	mittel	medio	Flamenco, OPA3/19, OPA5/19	5
		medium to high	moyen à élevé	mittel bis hoch	medio a alto		6
		high	élevé	hoch	alto	McGuffies Red, OPA12/19	7
		high to very high	élevé à très élevé	hoch bis sehr hoch	alto a muy alto		8
		very high	très élevé	sehr hoch	muy alto	Golden Giant	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
45.	**(*)**	**PQ VG**	**(h)**				
		Fruit: color of pulp	**Fruit : couleur de la chair**	**Frucht: Farbe des Fleisches**	**Fruta: color de la pulpa**		
		whitish	blanchâtre	weißlich	blanquecino		1
		greenish yellow	jaune verdâtre	grünlichgelb	amarillo verdoso		2
		yellow	jaune	gelb	amarillo	McGuffies Red, Misty Gem	3
		yellowish orange	orange jaunâtre	gelblichorange	naranja amarillento	E23, Flamenco	4
		orange	orange	orange	naranja	OPA3/19	5
46.	**(*)**	**QN MG/MS**	**(+) (h)**				
		Fruit: weight of pulp including seeds	**Fruit : poids de la chair, incluant les semences**	**Frucht: Gewicht des Fleisches einschließlich Samen**	**Fruto: peso de la pulpa incluidas las semillas**		
		very low	très bas	sehr gering	muy bajo	E23	1
		very low to low	très bas à bas	sehr gering bis gering	muy bajo a bajo		2
		low	bas	gering	bajo	Misty Gem	3
		low to medium	bas à moyen	gering bis mittel	bajo a medio		4
		medium	moyen	mittel	medio	Flamenco, McGuffies Red, Pandora	5
		medium to high	moyen à élevé	mittel bis hoch	medio a alto		6
		high	élevé	hoch	alto	OPA6/19, OPA7/19	7
		high to very high	élevé à très élevé	hoch bis sehr hoch	alto a muy alto		8
		very high	très élevé	sehr hoch	muy alto		9
47.		**QN MG/VG**	**(+) (h)**				
		Fruit: sweetness of pulp	**Fruit : goût sucré de la chair**	**Frucht: Süße des Fleisches**	**Frutos: dulzor de la pulpa**		
		very low	très faible	sehr gering	muy bajo		1
		very low to low	très faible à faible	sehr gering bis gering	muy bajo a bajo		2
		low	faible	gering	bajo	E23	3
		low to medium	faible à moyen	gering bis mittel	bajo a medio	Panama Red	4
		medium	moyen	mittel	medio	Flamenco	5
		medium to high	moyen à fort	mittel bis hoch	medio a alto	Misty Gem	6
		high	fort	hoch	alto	Pandora, Sweetheart	7
		high to very high	fort à très fort	hoch bis sehr hoch	alto a muy alto	McGuffies Red	8
		very high	très fort	sehr hoch	muy alto	OPA6/19	9
48.	**(*)**	**QL VG**	**(+)**				
		Plant: self-incompatibility	**Plante : auto-incompatibilité**	**Pflanze: Selbstinkompatibilität**	**Planta: autoincompatibilidad**		
		absent	absente	fehlend	ausente	Flamenco, Toms Special	1
		present	présente	vorhanden	presente	Panama Red	9

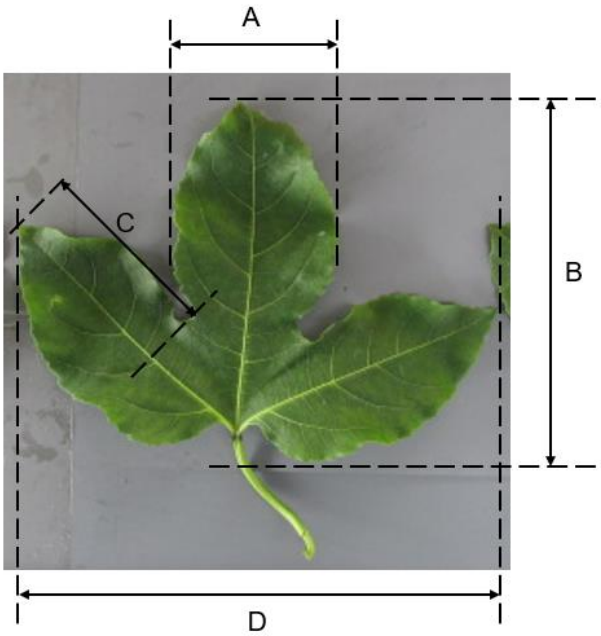
8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

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

(a) Leaf blade and petiole: Observations should be made on fully developed leaves from the middle third of vigorous shoots.

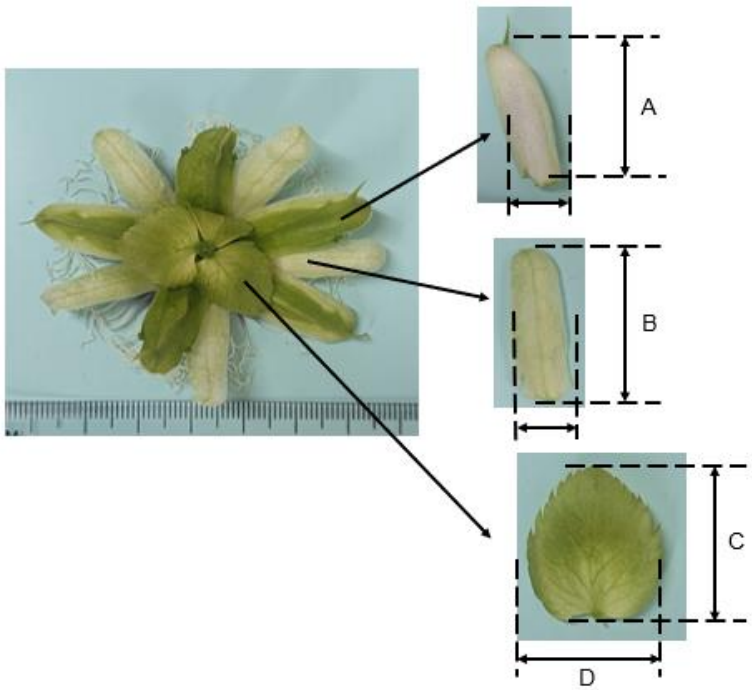
(b)



A = Leaf blade: width of the middle lobe
B = Leaf blade: length
C = Leaf blade: depth of sinus
D = Leaf blade: width

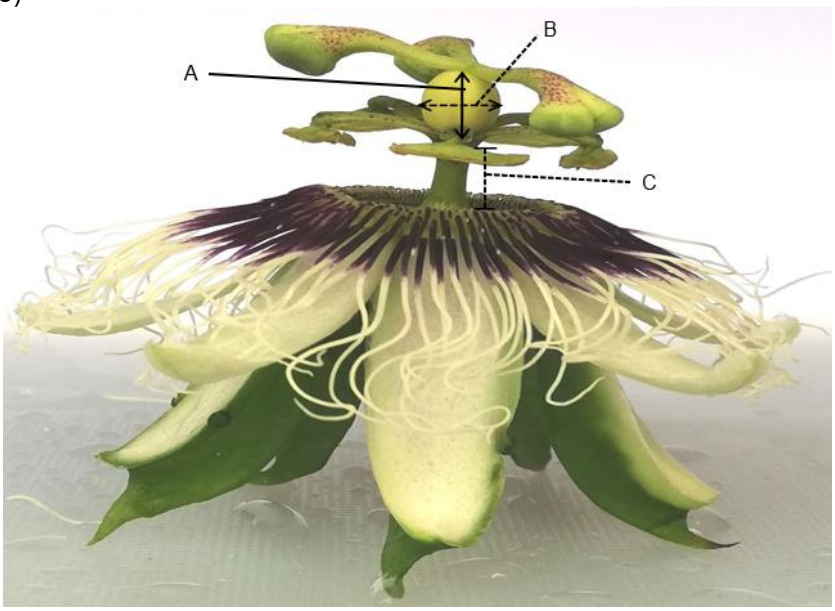
(c) Flower: Observations should be made on fully opened flowers.

(d)



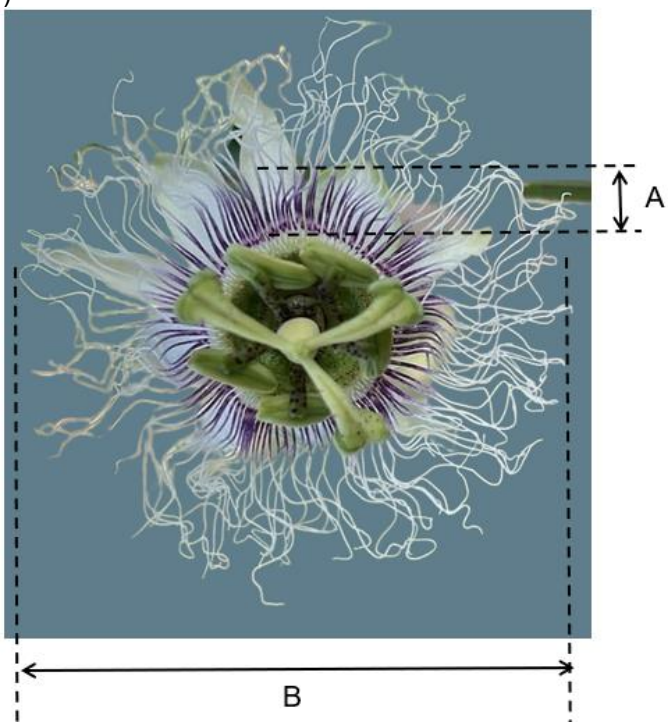
A = Length of sepal
B = Length of petal
C = Length of bract
D = Width

(e)



A = Ovary length
B = Ovary width
C = Androgynophore length

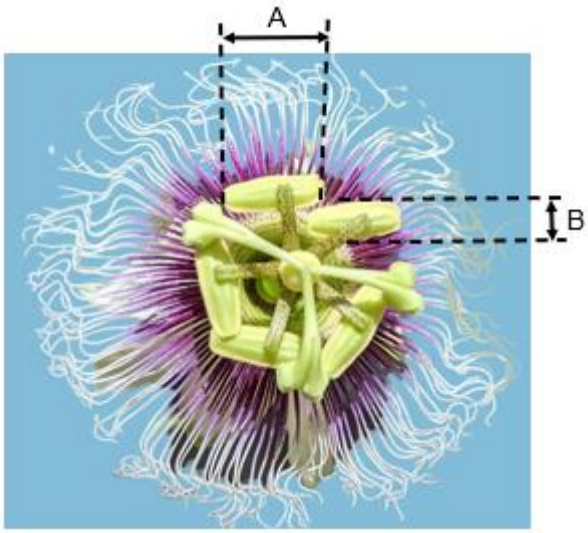
(f)



A = Width of the purple rings on the corona filaments

B = Diameter of corona including filaments

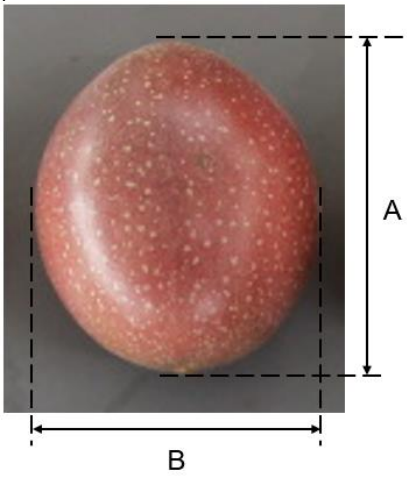
(g)



A = Length
B = Width

(h) Observations should be made on 10 typical fruits at the time when ≥75% of the fruit skin has changed color.

(i)



A = Height
B = Diameter

8.2 Explanations for individual characteristics

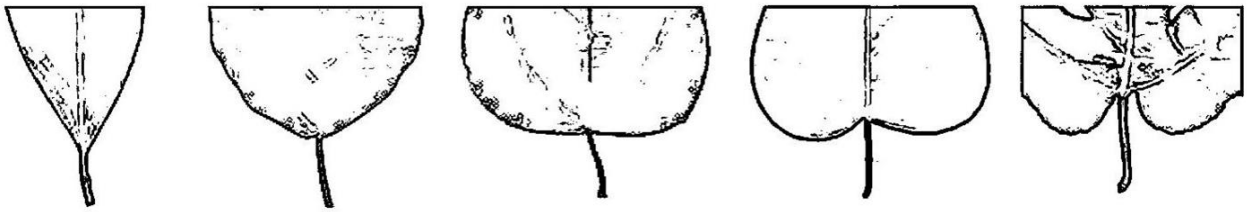
Ad. 1: Plant: vigor

The plant vigor should be considered as the overall abundance of vegetative growth.

Ad. 2: Shoot: color

Observations should be made on vigorous current season's shoots.

Ad. 11: Leaf blade: shape of base



1 acute | 2 obtuse | 3 truncate | 4 weakly cordate | 5 strongly cordate

Ad. 12: Leaf blade: depth of sinus

Observations should be made on the deepest sinus.

Ad. 15: Petiole: position of nectaries

1
adjacent to the base of the leaf blade

2
distant from the base of the leaf blade

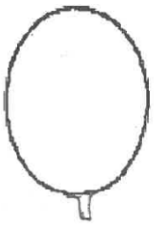
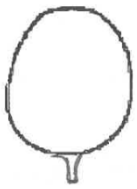
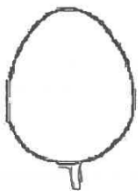
Ad. 26: Flower: intensity of purple color on inner filaments in throat

Intensity of purple color on inner filaments in throat

Ad. 35: Flower: anthocyanin spots on style

1	2	3
absent or few	medium	many

Ad. 40: Fruit: shape in longitudinal view

		ratio height/diameter			
		low	medium	high	
broadest part ↑ ↓	below middle		 4 obovate		
	at middle	 1 oblate	 3 circular	 6 broad elliptical	 7 narrow elliptical
	above middle		 2 obtuse ovate	 5 acute ovate	

Ad. 43: Fruit: thickness of skin

Thickness of skin

Ad. 44: Fruit: weight

Observations should be made on freshly harvested fruit.

Ad. 46: Fruit: weight of pulp including seeds

This characteristic can be observed by cutting the fruit and scooping out the pulp including seeds and then weighing them on an electronic scale.

Ad. 47: Fruit: sweetness of pulp

The sweetness of pulp should be observed in degrees Brix.

Ad. 48: Plant: self-incompatibility

A variety is self-incompatible when the fertile pollen of its own flower or of other flowers of the same variety is not able to fertilize the ovary.

To observe self-incompatibility, 5 un-opened flowers should be emasculated and bagged. Once the bagged flowers open, they should be hand pollinated using fresh pollen from the same plant or another plant of the same variety and re-bagged. Self-incompatibility is absent in the variety under observation if the ovary of the pollinated flower is swollen and still attached to the plant 72 hours after pollination.

9. Literature

Jesus, O.N., Oliveira, E.J., Faleiro, F.G., Soares, T.L.S., and Girardi, E.A., 2017: Illustrated Morpho-agronomic Descriptors for *Passiflora* spp. Embrapa. Brasília, BR

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	*Passiflora edulis* Sims	☐
1.1.2 Common name	Granadilla, Passion fruit	

2. Applicant

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

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

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 variety)

(……..……..…) x (……..……..…)

female parent male parent

(b) partially known cross [ ]

(please state parent variety(ies))

(……..……..…) x (……..……..…)

female parent male parent

(c) unknown cross [ ]

4.1.2 Mutation
(please state parent variety)

4.1.3 Discovery and development
(please state where and when discovered and how developed)

4.1.4 Other
(Please provide details)

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

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

4.2 Method of propagating the variety

4.2.1 Seed-propagated varieties

4.2.2 Vegetative propagation

(a) Cuttings [ ]
(b) In vitro propagation [ ]
(c) Budding and grafting (please specify rootstock) [ ]
(d) Other (state method) [ ]

4.2.3 Other
(Please provide details) [ ]

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 (35)	**Flower: anthocyanin spots on style**		
	absent or few	Lacey, OPA11/19	1 [ ]
	medium	OPA5/19, OPA7/19	2 [ ]
	many	OPA3/19	3 [ ]
5.2 (37)	**Fruit: height**		
	very short		1 [ ]
	very short to short		2 [ ]
	short	E23, Lacey	3 [ ]
	short to medium		4 [ ]
	medium	Flamenco, OPA13/19	5 [ ]
	medium to tall		6 [ ]
	tall	McGuffies Red, OPA11/19	7 [ ]
	tall to very tall		8 [ ]
	very tall	Golden Giant	9 [ ]
5.3 (42)	**Fruit: color of skin**		
	green		1 [ ]
	light yellow		2 [ ]
	medium yellow	Brazilian Gold, Inca Gold	3 [ ]
	dark yellow	Panama Gold	4 [ ]
	reddish orange		5 [ ]
	red	McGuffies Red	6 [ ]
	reddish purple	Sweetheart, Toms Special	7 [ ]
	medium purple	Misty Gem, Tango	8 [ ]
	dark purple	Nellie Kelly Black	9 [ ]

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

	Characteristics	Example Varieties	Note
5.4 (44)	**Fruit: weight**		
	very low	E23	1 [ ]
	very low to low		2 [ ]
	low	Lacey, Misty Gem	3 [ ]
	low to medium		4 [ ]
	medium	Flamenco, OPA3/19, OPA5/19	5 [ ]
	medium to high		6 [ ]
	high	McGuffies Red, OPA12/19	7 [ ]
	high to very high		8 [ ]
	very high	Golden Giant	9 [ ]
5.5 (45)	**Fruit: color of pulp**		
	whitish		1 [ ]
	greenish yellow		2 [ ]
	yellow	McGuffies Red, Misty Gem	3 [ ]
	yellowish orange	E23, Flamenco	4 [ ]
	orange	OPA3/19	5 [ ]
5.6 (48)	**Plant: self-incompatibility**		
	absent	Flamenco, Toms Special	1 [ ]
	present	Panama Red	9 [ ]

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	*Fruit: height*	*short*	*tall*

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 displaying its main distinguishing feature(s), should accompany the Technical Questionnaire. The photograph will provide a visual illustration of the candidate variety which supplements the information provided in the Technical Questionnaire.

The key points to consider when taking a photograph of the candidate variety are:

• Indication of the date and geographic location
• Correct labeling (breeder's reference)
• Good quality printed photograph (minimum 10 cm x 15 cm) and/or sufficient resolution electronic format version (minimum 960 x 1280 pixels)"

Further guidance on providing photographs with the Technical Questionnaire is available in document TGP/7 "Development of Test Guidelines", Guidance Note 35 (http://www.upov.int/tgp/en/).

[The link provided may be deleted by members of the Union when developing authorities' own test guidelines.]

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:

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.

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”.

_____

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

[End of document]