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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
 GENEVA

**DRAFT**

**CAMELLIA**

UPOV Code: CMLIA

*Camellia L.*

excluding *Camellia sinensis* L. O.Kuntze

\*

**GUIDELINES**

**FOR THE CONDUCT OF TESTS**

**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

*prepared by experts from China*

*to be considered by the*

*Technical Committee at its forty-seventh session,  
 to be held in Geneva from April 4 to 6, 2011*

Alternative Names:<sup>\*</sup>

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Camellia L.</i>	Camellia	Camélia	Kamelie	Camelia

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.

Other associated UPOV documents: TG/TEA (*Camellia sinensis* L. O. Kuntze).

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\* 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](http://www.upov.int)), for the latest information.]

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## 1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Camellia* L. excluding *Camellia sinensis* (L.) O. Kuntze.

## 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 plants capable of flowering and expressing all relevant characteristics of the variety during the first or later growing cycle.

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. Method of Examination

### 3.1 *Number of Growing Cycles*

The minimum duration of tests should normally be a single growing cycle.

### 3.2 *Testing Place*

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 "Examining Distinctness".

### 3.3 *Conditions for Conducting the Examination*

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

#### 3.3.2 Observation of color by eye

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. The color chart and version used should be specified in the variety description.

### 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. 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 / Parts of Plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 9 plants or parts taken from each of 9 plants and any other observations made on all plants in the test, disregarding any off-type plants..

#### 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, 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, 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 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. Grouping of Varieties and Organization of the Growing Trial

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

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

5.3 The following have been agreed as useful grouping characteristics:

- (a) Plant: growth habit (characteristic 1)
- (b) Leaf blade: length (characteristic 9)
- (c) Leaf blade: margin (characteristic 23)
- (d) Flower: diameter (characteristic 29)
- (e) Flower: form (characteristic 30)
- (f) Flower: presence of petaloids (characteristic 31)
- (g) Petal: main color (characteristic 41), with the following groups:
  - Gr.1: white
  - Gr.2: yellow
  - Gr.3: orange
  - Gr.4: pink
  - Gr.5: red
  - Gr.6: purple
- (h) Petal: secondary color (characteristic 43)
- (i) Petal: pattern of secondary color (characteristic 44)
- (j) Time of flowering (characteristic 50)

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

6.4.1 Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

6.4.2 Example varieties contained in the Table of Characteristics originally belong to following parent species:

*Camellia changii* (*Camellia azalea*): Chun Jiang Zhi Xia

*Camellia japonica*: Anticipation, Betty Foy Sanders, Camilla Hebert, Chang E Cai, Coletti, Da Hong Jin Xin, Da Hong Mu Dan, Da Zhu Sha, Elegans Champagne, Fen Fu Rong, Fen Xia, Grape Soda, Hakuhana Kujaku, Helen Bower, Holly Bright, Hong Lu Zhen, Hua Bao Zhu, Hua Mu Dan, Jin Jiang Mu Dan, Jin Pan Li Zhi, Kingyo-tsubaki, Lipstick, L.T. Dees, Margaret Davis, Mary Agnes Patin, Masterpiece, Night Rider, Nokogiriba, Nuccio's # 4310, Nuccio's Bella Rossa, Nuccio's Cameo, Pen Sha, Pu Tao Hong, Raspberry Ice, Ren Mian Tao Hua, Royal Velvet, Sai Luo Yang, Shi Ba Xue Shi, Shi Zi Xiao, Swan Lake, Unryu-tsubaki, Wen Ban Fei Ye Cha, Xiao Tao Hong, Xue Ta, Zao Chun Da Hong Qiu, Zhuang Yuan Hong

*Camellia reticulata*: Bill Goertz, Da Li Cha, Da Tao Hong, Hou Ye De Chi, Massee Lane, Pink Dahlia, Tong Zi Mian, Zhu Sha Zi Pao

*Camellia sasanqua*: First Cover, Xia Mei Gui

### 6.5 Legend

(\*) Asterisked characteristic – see Chapter 6.1.2

QL Qualitative characteristic – see Chapter 6.3

QN Quantitative characteristic – see Chapter 6.3

PQ Pseudo-qualitative characteristic – see Chapter 6.3

MG, MS, VG, VS – see Chapter 4.1.5

(a)-(g) 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 caracteresticas

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
1. (*) (+)	VG	<b>Plant: growth habit</b>	<b>Plante : port</b>	<b>Pflanze: Wuchsform</b>	<b>Planta: porte</b>	
PQ		upright	dressé	aufrecht	erecto	Anticipation
		semi-upright	demi-dressé	halbaufrecht	semierecto	Mary Agnes Patin
		spreading	étalé	breitwüchsig	extendido	Masterpiece
		drooping	retombant	überhängend	colgante	Hakuhan Kujaku
		horizontal	horizontal	waagerecht	horizontal	First Cover
2.	VG	<b>Branch: zigzagging</b>	<b>Ramification : zigzagante</b>	<b>Zweig: Zickzackform</b>	<b>Rama: zigzagueo</b>	
QL		absent	absente	fehlend	ausente	Hong Lu Zhen
		present	présente	vorhanden	presente	Unryu-tsubaki
3. (*)	VG	<b>Plant: density of foliage</b>	<b>Plante : densité du feuillage</b>	<b>Pflanze: Dichte des Laubs</b>	<b>Planta: densidad del follaje</b>	
QN		sparse	faible	locker	baja	Da Tao Hong
		medium	moyenne	mittel	media	Chang E Cai
		dense	dense	dicht	alta	Pu Tao Hong
4.	VG	<b>Vegetative bud: color</b>	<b>Bourgeon : couleur</b>	<b>Vegetative Knospe: Farbe</b>	<b>Yema de madera: color</b>	
PQ	(a)	yellowish green	vert jaunâtre	gelblichgrün	verde amarillento	1
		green	vert	grün	verde	Elegans Champagne
		purple green	vert pourpre	dunkelgrün	púrpura verde	Ren Mian Tao Hua
		light pink	rose clair	hellrosa	rosa claro	Fen Fu Rong
		purple red	rouge pourpre	purpurrot	rojo púrpura	Nuccio's Bella Rossa
		dark red	rouge foncé	dunkelrot	rojo oscuro	Night Rider

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español		
<b>5.</b>	<b>VG</b>	<b>Terminal vegetative bud: number</b>	<b>Bourgeon terminal : nombre</b>	<b>Terminale vegetative Knospe: Anzahl</b>	<b>Yema de madera terminal: número</b>	
QN	(a)	one	un	eine	una	1
		two	deux	zwei	dos	2
		more than two	plus de deux	mehr als zwei	más de dos	3
<b>6.</b>	<b>VG</b>	<b>Young shoot: color</b>	<b>Jeune pousse : couleur</b>	<b>Jungtrieb: Farbe</b>	<b>Tallo joven: color</b>	
PQ	(b)	yellowish green	vert jaunâtre	gelblichgrün	verde amarillento	1
		green	vert	grün	verde	2
		pink	rose	rosa	rosa	3
		yellowish brown	brun jaunâtre	gelblichbraun	amarillento marrón	4
		reddish brown	brun rougeâtre	rötlichbraun	marrón rojizo	5
<b>7.</b>	<b>VG</b>	<b>Leaf: attitude</b>	<b>Feuille : port</b>	<b>Blatt: Stellung</b>	<b>Hoja: porte</b>	
QN	(c)	upwards	dressé	aufwärts gerichtet	hacia arriba	Nuccio's Cameo
		outwards	établé	abstehend	hacia afuera	Shi Zi Xiao
		downwards	retombant	abwärts gerichtet	hacia abajo	
<b>8.</b>	<b>VG</b>	<b>Leaf: arrangement</b>	<b>Feuille : disposition</b>	<b>Blatt: Anordnung</b>	<b>Hoja: disposición</b>	
PQ	(c)	alternate	alternées	alternierend	alterna	1
		perpandicular	perpendiculaires	senkrecht	perpendicular	2
		spiral	en spirale	spiralförmig	espiral	3

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejempl	Note/ Nota
	English	français	deutsch	español		
<b>9.</b>	<b>VG/ MG</b>	<b>Leaf blade: length</b>	<b>Limbe : longueur</b>	<b>Blattspreite: Länge</b>	<b>Limbo: longitud</b>	
(*)						
QN	(c)	very short	très courte	sehr kurz	muy corta	1
		short	courte	kurz	corta	Xiao Mei Gui
		medium	moyenne	mittel	media	Hong Lu Zhen
		long	longue	lang	larga	Zhu Sha Zi Pao
		very long	très longue	sehr lang	muy larga	9
<b>10.</b>	<b>VG/ MG</b>	<b>Leaf blade:width</b>	<b>Limbe : largeur</b>	<b>Blattspreite: Breite</b>	<b>Limbo:anchura</b>	
(*)						
QN	(c)	very narrow	très étroite	sehr schmal	muy estrecha	1
		narrow	étroite	schmal	estrecha	Xiao Mei Gui
		medium	moyenne	mittel	media	Chun Jiang Zhi Xia
		broad	large	breit	ancha	Hong Lu Zhen
		very broad	très large	sehr breit	muy ancha	Fen Bao Jing Cha
<b>11.</b>	<b>VG (*) (+)</b>	<b>Leaf blade:position of broadest part</b>	<b>Limbe : position de la partie la plus large</b>	<b>Blattspreite: Position der breitesten Stelle</b>	<b>Limbo:posición de la parte más ancha</b>	
(*)						
QN	(c)	below the middle	en dessous du milieu	unterhalb der Mitte	debajo de la mitad	Chun Jiang Zhi Xia
		middle third	tiers moyen	im mittleren Drittel	tercio medio	Fei Bie Cha
		above the middle	au-dessus du milieu	oberhalb der Mitte	encima de la mitad	Hong Lu Zhen
<b>12.</b>	<b>VG (*) (+)</b>	<b>Leaf blade: shape of base</b>	<b>Limbe : forme de la base</b>	<b>Blattspreite: Form der Basis</b>	<b>Limbo: forma de la base</b>	
(*)						
PQ	(c)	acute	aiguë	spitz	agudo	Pink Dahlia
		obtuse	obtuse	stumpf	obtuso	Swan Lake
		rounded	ronde	abgerundet	redondeado	Massee Lane
		cordate	cordiforme	herzförmig	cordado	Fen Bao Jing Cha

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplares	Note/ Nota
	English	français	deutsch	español		
13.	VG (*) (+)	Leaf blade: shape of apex	Limbe : forme du sommet	Blattspreite: Form der Spitze	Limbo: forma del ápice	
PQ	(c)	retuse	échancree	eingedrückt	retuso	Chun Jiang Zhi Xia 1
		rounded	ronde	abgerundet	redondeado	Hen Tiao Gao 2
		short acuminate	à pointe courte	kurz zugespitzt	acuminado corto y ancho	Hong Lu Zhen 3
		medium acuminate	à pointe moyenne	mäßig zugespitzt	acuminado medio	
		long acuminate	à pointe longue	lang zugespitzt	acuminado largo	Kujaku-tsubaki 5
		divided	divisée	eingeschnitten	dividido	Kingyo-tsubaki 6
14.	VG (*)	Leaf blade: pubescence on upper side	Limbe : pubescence sur la face supérieure	Blattspreite: Behaarung der Oberseite	Limbo: pubescencia en el haz	
QL	(c)	absent	absente	fehlend	ausente	1
		present	présente	vorhanden	presente	9
15.	VG (*)	Leaf blade: thickness	Limbe : épaisseur	Blattspreite: Dicke	Limbo: grosor	
QN	(c)	thin	fine	dünn	fin	Xiao Mei Gui 1
		medium	moyenne	mittel	medio	Hong Lu Zhen 2
		thick	épaisse	dick	grueso	Hou Ye De Chi 3
16.	VG (*)	Leaf blade: venation on upper side	Limbe : nervation sur la face supérieure	Blattspreite: Äderung der Oberseite	Limbo: nervadura del haz	
QN	(c)	weak	faible	gering	débil	Shi Zi Xiao 1
		medium	moyenne	mittel	media	Fen Xia 2
		strong	forte	stark	fuerte	3
17.	VG (*)	Leaf blade: glossiness of upper side	Limbe : brillance de la partie supérieure	Blattspreite: Glanz der Oberseite	Limbo: brillo del haz	
QN	(c)	weak	faible	gering	débil	Swan Lake 3
		medium	moyenne	mittel	medio	Da Zhu Sha 5
		strong	forte	stark	fuerte	Royal Velvet 7

						Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplar	Note/ Nota
		English	français	deutsch	español		
18.	VG (*)	<b>Leaf blade: variegation</b>	<b>Limbe : panachure</b>	<b>Blattspreite: Panaschierung</b>	<b>Limbo: variegación</b>		
QL	(c)	absent	absente	fehlend	ausente		1
		present	présente	vorhanden	presente		9
19.	VG (*)	<b>Leaf blade: Color of upper side (excluding variegation)</b>	<b>Limbe : couleur de la face supérieure (panachure exclue)</b>	<b>Blattspreite: Farbe der Oberseite (ohne Panaschierung)</b>	<b>Limbo: Color del haz (excluida la variegación)</b>		
PQ	(c)	yellowish green	vert jaunâtre	gelblichgrün	verde amarillento	Nuccio's # 4310	1
		light green	vert clair	hellgrün	verde claro	Xiao Tao Hong	2
		medium green	vert moyen	mittelgrün	verde medio	Hong Lu Zhen	3
		dark green	vert foncé	dunkelgrün	verde oscuro	Colettii	4
		grey green	vert-gris	graugrün	verde grisáceo		5
20.	VG (*)	<b>Leaf blade: color of variegation</b>	<b>Limbe : couleur de la panachure</b>	<b>Blattspreite: Farbe der Panaschierung</b>	<b>Limbo: color de la variegación</b>		
PQ	(c)	white	blanche	weiß	blanco		1
		light yellow	jaune clair	hellgelb	amarillo claro		2
		medium yellow	jaune moyen	mittelgelb	amarillo medio		3
21.	VG (*)	<b>Leaf blade: distribution of variegation</b>	<b>Limbe : répartition de la panachure</b>	<b>Blattspreite: Verteilung der Panaschierung</b>	<b>Limbo: distribución de la variegación</b>		
PQ	(c)	marginal only	seulement marginale	nur am Rand	sólo en el borde		1
		central zone only	seulement zone centrale	nur im Mittelbereich	sólo en la zona central		2
		irregular	irrégulière	unregelmäßig	irregular		3
22.	VG (+)	<b>Leaf blade: shape in cross section</b>	<b>Limbe : forme en section transversale</b>	<b>Blattspreite: Form im Querschnitt</b>	<b>Limbo: forma en la sección transversal</b>		
QN	(c)	concave	concave	konkav	cónvexo	Tong Zi Mian	1
		flat	plate	flach	plano	Chang E Cai	2
		convex	convexe	konvex	convexo	Wen Ban Fei Ye Cha	3

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español		
<b>23.</b>	<b>VG</b> Leaf blade: margin (*) (+)	<b>Limbe : bord</b>	<b>Blattspreite: Rand</b>	<b>Limbo: borde</b>		
<b>PQ</b>	(c) entire  serrulate  serrate  bidentate	entier  serrulé  dentelé  bidenté	ganzrandig  fein gesägt  gesägt  doppelt gezähnt	entero  serrulado  serrado  bidentado	Chun Jiang Zhi Xia  L.T. Dees  Nokogiriba  Bill Goertz	1  2  3  4
<b>24.</b>	<b>VG/ MS</b> Petiole: length	<b>Pétiole : longueur</b>	<b>Blattstiell: Länge</b>	<b>Peciolo: longitud</b>		
<b>QN</b>	(c) very short  short  medium  long	très court  court  moyen  long	sehr kurz  kurz  mittel  lang	muy corto  corto  medio  largo	Fen Bao Jing  Hong Lu Zhen  5  7	1  3  5  7
<b>25.</b>	<b>VG</b> Sepal: shape (*) (+)	<b>Sépale : forme</b>	<b>Kelchblatt: Form</b>	<b>Sépalo: forma</b>		
<b>PQ</b>	(d) ovate  elliptic  obovate	ovale  elliptique  obovale	eiförmig  elliptisch  verkehrt eiförmig	oval  elíptico  oboval		1  2  3
<b>26.</b>	<b>VG</b> Sepal: color of outer side (*)	<b>Sépale : couleur de la partie extérieure</b>	<b>Kelchblatt: Farbe der Außenseite</b>	<b>Sépalo: color de la cara externa</b>		
<b>PQ</b>	(d) yellow  yellowish green  brown  purple red	jaune  vert jaunâtre  brun  rouge pourpre	gelb  gelblichgrün  braun  purpurrot	amarillo  verde amarillento  marrón  rojo púrpura	Grape Soda  Xiao Tao Hong  3  4	1  2  3  4
<b>27.</b>	<b>VG</b> Sepal: shape of apex (+)	<b>Sépale : forme de la pointe</b>	<b>Kelchblatt: Scheitelform</b>	<b>Sépalo: forma del ápice</b>		
<b>QN</b>	(d)  obtuse  rounded  retuse	obtuse  ronde  échancrée	stumpf  abgerundet  eingedrückt	obtuso  redondeado  retuso		1  2  3

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español		
<b>28.</b>	<b>VG</b>	<b>Flower bud: arrangement</b>	<b>Bourgeon : disposition</b>	<b>Blütenknospe: Anordnung</b>	<b>Botón floral: disposición</b>	
(*)		terminal only	seulement terminale	nur terminal	sólo terminal	1
<b>PQ</b>		terminal and axillary	terminale et axillaire	terminal und axillar	terminal y axilar	2
		axillary only	seulement axillaire	nur axillar	sólo axilar	3
<b>29.</b>	<b>MG/ VG</b>	<b>Flower: diameter</b>	<b>Fleur : diamètre</b>	<b>Blüte: Durchmesser</b>	<b>Flor: diámetro</b>	
(*)						
<b>QN</b>	<b>(e)</b>	very small	très petit	sehr klein	muy pequeño	Wei Hua Lian Rui Cha
		small	petit	klein	pequeño	Xiao Mei Gui
		medium	moyen	mittel	medio	Hong Lu Zhen
		large	grand	groß	grande	Da Li Cha
		very large	très grand	sehr groß	muy grande	Feng Bao Jing Cha
<b>30.</b>	<b>VG</b>	<b>Flower: form</b>	<b>Fleur : forme</b>	<b>Blüte: Typ</b>	<b>Flor: forma</b>	
(*)						
<b>PQ</b>		single	simple	einfach	simple	Da Hong Jin Xin
		semi-double	demi-double	halbgefüllt	semidoble	Chun Jiang Zhi Xia
		anemone form	en forme d'anémone	anemonenförmig	en forma de anémona	Jin Pan Li Zhi
		peony form	en forme de pivoine	päonienförmig	en forma de peonía	Hua Mu Dan
		rose form double	double en forme de rose	rosenförmig gefüllt	en forma de rosa doble	Zhuang Yuan Hong
		formal double	double imbriquée	förmlich gefüllt	doble formal	Xue Ta
<b>31.</b>	<b>VG</b>	<b>Flower: presence of petaloids</b>	<b>Fleur : présence de pétaloidés</b>	<b>Blüte: Vorhandensein von Petaloiden</b>	<b>Flor: presencia de petaloides</b>	
(*)						
		absent	absents	fehlend	ausentes	1
<b>QL</b>		present	présents	vorhanden	presentes	9

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español		
<b>32.</b>	<b>MG/ VG (*)</b>	<b>Flower:number of petaloids</b>	<b>Fleur : nombre de pétaïoïdes</b>	<b>Blüte: Anzahl Petaloïden</b>	<b>Flor:número de petaloïdes</b>	
<b>QN</b>	few	petit	gering	bajo		3
	medium	moyen	mittel	medio		5
	many	grand	groß	alto		7
<b>33.</b>	<b>VG (+)</b>	<b>Flower: petaloids</b>	<b>Fleur : pétaïoïdes</b>	<b>Blüte: Typ</b>	<b>Flor: petaloïdes</b>	
<b>PQ</b>	some stamens petaloid	quelques étamines pétaloïdes	einige Staubgefäß petaloïd	algunos estambres		1
	all stamens petaloid	toutes les étamines pétaloïdes	alle Staubgefäß petaloïd	todos los estambres		2
	all stamens petaloid and petaloid pistil	toutes les étamines pétaloïdes et pistil pétaloïde	alle Staubgefäß petaloïd und Griffel petaloïd	todos los estambres petaloïdes y el pistilo		3
<b>34.</b>	<b>VG</b>	<b>Petal: thickness</b>	<b>Pétaïe : épaisseur</b>	<b>Blütenblatt: Dicke</b>	<b>Pétalo: grosor</b>	
<b>QN</b>	(f) thin	fine	dünn	fin	Xiao Mei Gui	1
	medium	moyenne	mittel	medio	Xiao Tao Hong	2
	thick	épaisse	dick	grueso		3
<b>35.</b>	<b>VG (*) (+)</b>	<b>Petal: shape of apex</b>	<b>Pétaïe : forme du sommet</b>	<b>Blütenblatt: Scheitelform</b>	<b>Pétalo: forma del ápice</b>	
<b>PQ</b>	(f) obtuse	obtus	stumpf	obtuso		1
	rounded	rond	abgerundet	redondeado		2
	retuse	échancré	eingedrückt	retuso		3
<b>36.</b>	<b>VG</b>	<b>Petal: number of incisions of margin</b>	<b>Pétaïe : nombre d'incisions du bord</b>	<b>Blütenblatt: Anzahl der Randeinschnitte</b>	<b>Pétalo: número de incisiones del borde</b>	
<b>QN</b>	(f) absent or few	nul ou petit	fehlend oder gering	ausente o muy bajo		1
	medium	moyen	mittel	medio		2
	many	grand	groß	alto		3

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
		English	français	deutsch	español	
37.	VG (*) (+)	Petal: curvature of longitudinal axis	Pétale : courbure de l'axe longitudinal	Blütenblatt: Biegung der Längsachse	Pétalo: curvatura del eje longitudinal	
QN	(f)	incurved	incurvé	aufgebogen	incurvado	1
		flat	plat	flach	plano	2
		recurved	recourbé	zurückgebogen	recurvado	3
38.	VG (*) (+)	Flower: shape of petals of first outer row	Fleur : forme des pétales du premier rang externe	Blüte: Form der Blütenblätter der ersten Außenreihe	Flor: forma de los pétalos de la fila exterior	
PQ	(f)	ovate	ovale	eiförmig	oval	Helen Bower
		oblong	oblong	rechteckig	oblongo	2
		circular	circulaire	kreisförmig	circular	Swan Lake
		oblanceolate	arrondi aplati	breitrund	oblato	4
		obovate	obovale	verkehrt eiförmig	oboval	Lipstick
		obcordate	obcordé	verkehrt herzförmig	obcordado	Jin Pan Li Zhi
39.	VG (*) (+)	Petal: undulation of margin	Pétale : ondulation du bord	Blütenblatt: Randwellung	Pétalo: ondulación del borde	
QN	(f)	absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Shi Ba Xue Shi
		medium	moyenne	mittel	media	Raspberry Ice
		strong	forte	stark	fuerte	Holly Bright
40.	VG (+)	Petal: venation	Pétale : nervation	Blütenblatt: Äderung	Pétalo: nervadura	
QN	(f)	weak	faible	gering	débil	1
		medium	moyenne	mittel	media	2
		strong	forte	stark	fuerte	3
41.	VG (*)	Petal: main color	Pétale : couleur principale	Blütenblatt: Hauptfarbe	Pétalo: color principal	
PQ	(f)	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)	

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplar	Note/ Nota
English	français	deutsch	español			
<b>42.</b> <small>(*)</small>	<b>VG</b>	<b>Petal: intensity of shading of main color (excluding variegation)</b>	<b>Pétale : intensité du dégradé de la couleur principale (panachure exclue)</b>	<b>Blütenblatt: Intensität der Schattierung der Hauptfarbe (ohne Panaschierung)</b>	<b>Pétalo: intensidad del sombreado del color principal (excluida la variegación)</b>	
<b>PQ</b>	<b>(f)</b>	evenly shaded	uniformément dégradé	gleichmäßig schattiert	uniformemente sombreado	1
		darkest in the central zone	plus sombre sur la zone centrale	dunkler im Innenbereich	más oscura en la zona central	2
		darkest in the marginal zone	plus sombre sur la zone marginale	dunkler am Randbereich	más oscura en la zona central	3
		darkest towards the base	plus sombre vers la base	dunkler zur Basis hin	más oscura hacia la base	4
<b>43.</b> <small>(*)</small>	<b>VG</b>	<b>Petal: secondary color</b>	<b>Pétale : couleur secondaire</b>	<b>Blütenblatt: Sekundärfarbe</b>	<b>Pétalo: color secundario</b>	
<b>PQ</b>	<b>(f)</b>	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)	
<b>44.</b> <small>(*) (+)</small>	<b>VG</b>	<b>Petal: pattern of secondary color</b>	<b>Pétale : répartition de la couleur secondaire</b>	<b>Blütenblatt: Muster der Sekundärfarbe</b>	<b>Pétalo: distribución del color secundario</b>	
	<b>(f)</b>	blotched	en taches	gefleckt	manchada	Pen Sha
		central bar	barre centrale	Mittelstreifen	raya central	Hua Bao Zhu
		striated	striée	gestreift	estriada	Yi Lan Jiao
		marginal	marginale	am Rand	marginal	Margaret Davis
		striped and blotched	en bandes et en taches	gestreift und gefleckt	rayada y manchada	5
		basal zone	zone basale	Basisbereich	zona basal	6

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplar	Note/ Nota
	English	français	deutsch	español		
<b>45.</b>	<b>VG</b>	<b>Stamens: arrangement</b>	<b>Étamines : disposition</b>	<b>Staubgefäß: Anordnung</b>	<b>Estambres: disposición</b>	
<b>PQ</b>	sasanqua	sasanqua	Sasanquaformig	sasanqua	Xia Mei Gui	1
	circular	circulaire	kreisförmig	circular	Sai Luo Yang	2
	apricot	abricot	Aprikosenförmig	albaricoque		3
	tea whisk	fouet à thé	Teebesenförmig	batidor de bambú	Da Hong Jin Xin	4
	pinched	pincée	gestutzt	pinzada		5
	tubular	tubuleuse	röhrenförmig	tubular		6
	split	divisée	gespalten	separada	Jin Jiang Mu Dan	7
	dispersed	dispersée	verstreut	dispersa	Da Hong Mu Dan	8
<b>46.</b>	<b>MG</b>	<b>Style: number of splits</b>	<b>Style : nombre de scissions</b>	<b>Griffel: Anzahl der Spalten</b>	<b>Estilo: número de separaciones</b>	
<b>QN</b>	one	une	eine	una		1
	two	deux	zwei	dos		2
	three	trois	drei	tres		3
	four	quatre	vier	cuatro		4
	five	cinq	fünf	cinco		5
<b>47.</b>	<b>VG</b>	<b>Style: position of splitting</b>	<b>Style : position de la scission</b>	<b>Griffel: Position der Griffelspaltung</b>	<b>Estilo: posición de la división</b>	
<b>QN</b>	low	basse	niedrig	baja		1
	medium	moyenne	mittel	media		2
	high	élevée	hoch	alta		3

					Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplar	Note/ Nota
	English	français	deutsch	español		
<b>48.</b>	<b>VG</b>	<b>Stigma: position in relation to stamens</b>	<b>Stigmate : position par rapport aux étamines</b>	<b>Narbe: Stellung im Vergleich zu den Staubgefäßern</b>	<b>Estigma: posición en relación con los estambres</b>	
	<b>QN</b>	below	en dessous	unterhalb	por debajo	1
		same level	au même niveau	auf gleicher Höhe	al mismo nivel	2
		above	au-dessus	oberhalb	por encima	3
<b>49.</b>	<b>VG</b>	<b>Ovary: hairs</b>	<b>Ovaire : pilosité</b>	<b>Fruchtknoten: Behaarung</b>	<b>Ovario: pelos</b>	
	<b>QL</b>	absent	absente	fehlend	ausentes	1
		present	présente	vorhanden	presentes	9
<b>50.</b>	<b>MG</b>	<b>Time of flowering</b>	<b>Époque de floraison</b>	<b>Zeitpunkt der Blüte</b>	<b>Época de la floración</b>	
	<b>QN</b>	very early	très précoce	sehr früh	muy temprana	Chun Jiang Zhi Xia 1
		early	précoce	früh	temprana	Xiao Mei Gui 3
		medium	moyenne	mittel	media	Zao Chun Da Hong Qiu 5
		late	tardive	spät	tardía	Chong Qing Hong 7
		very late	très tardive	sehr spät	muy tardía	Da Hong Jin Xin 9

## 8. Explanations on the Table of Characteristics

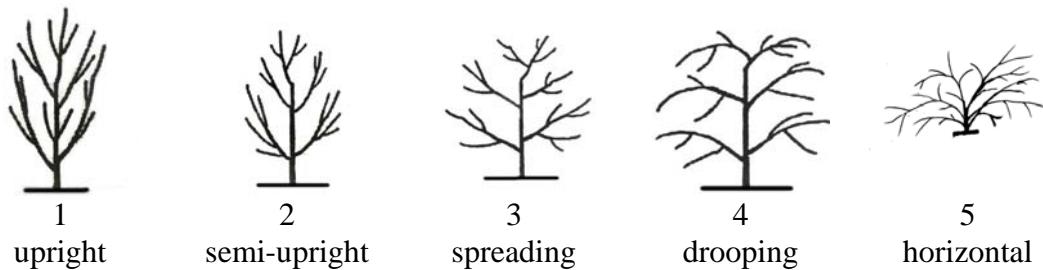
### 8.1 Explanations covering several characteristics

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

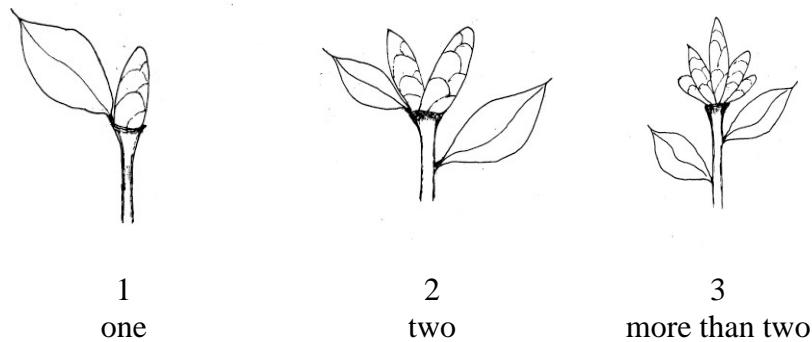
- (a) Observations should be made on buds just before they sprout in the spring.
- (b) Observations should be made on young shoots.
- (c) Observations should be made on the mature leaves in the middle third of the shoot in summer or autumn.
- (d) Observations should be made on the sepals just before flowering.
- (e) Observations should be made on 5 fully open and regular flowers.
- (f) Observations should be made on regular petals in first outer row in blossoming season.
- (g) Flower: diagram (to be provided)

### 8.2 Explanations for individual characteristics

#### Ad. 1: Plant: growth habit



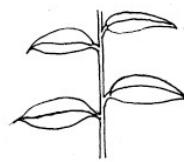
#### Ad. 5: Terminal vegetative bud: number



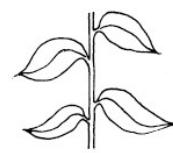
Ad. 7: Leaf: attitude



1  
upwards

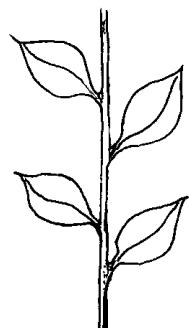


2  
outwards



3  
downwards

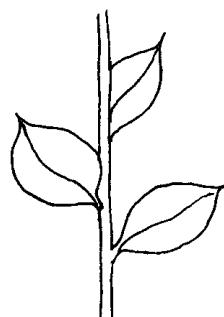
Ad. 8: Leaf: arrangement



1  
alternate



2  
perpendicular



3  
spiral

Ad. 11: Leaf blade: position of broadest part



1  
below the middle

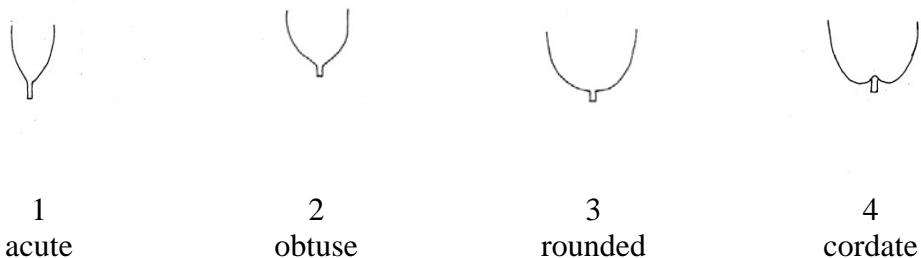


2  
middle third

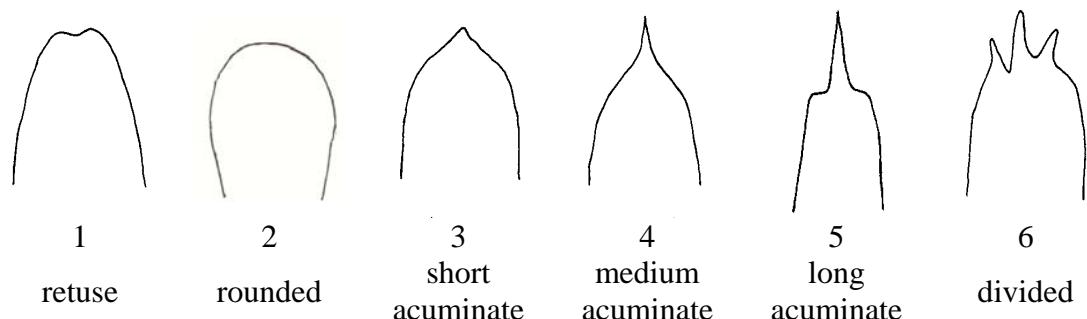


3  
above the middle

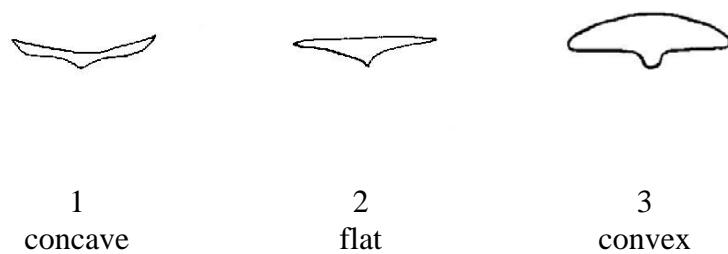
Ad. 12: Leaf blade: shape of base



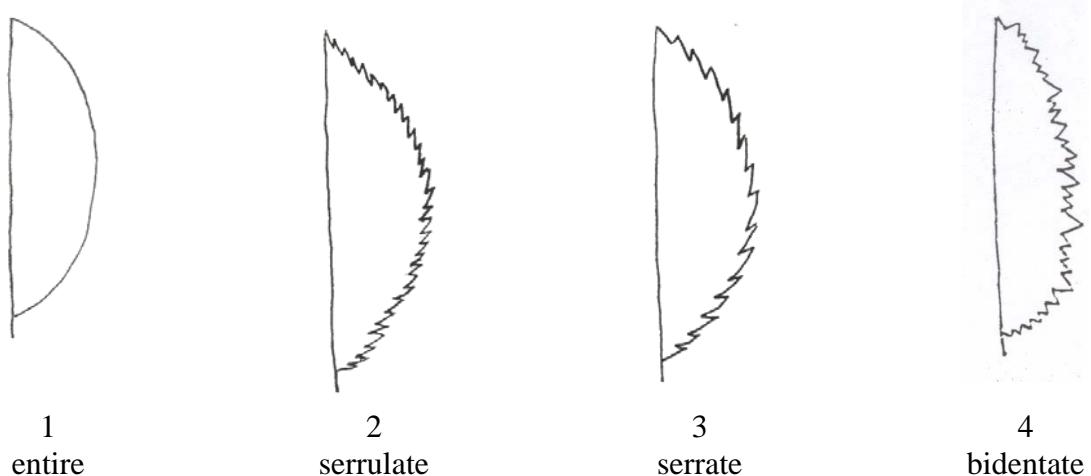
Ad. 13: Leaf blade: shape of apex



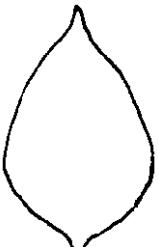
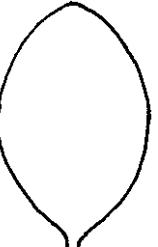
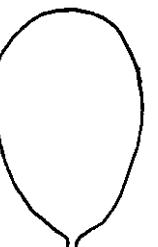
Ad. 22: Leaf blade: shape in cross section



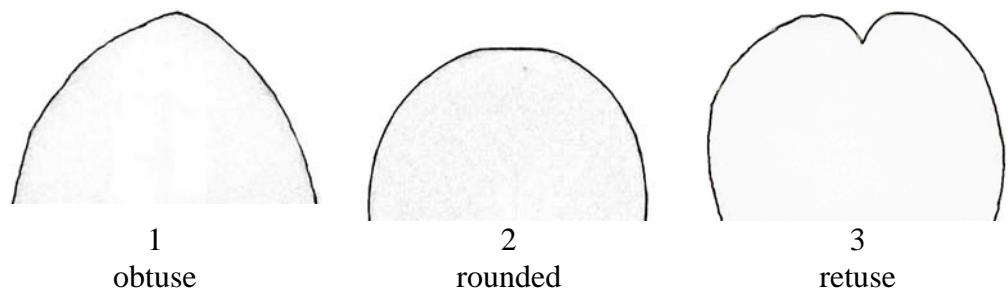
Ad. 23: Leaf blade: margin



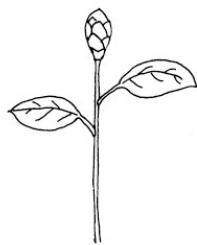
Ad. 25: Sepal: shape

position of broadest part		
below middle	at middle	above middle
 1 ovate	 2 elliptic	 3 obovate

Ad. 27: Sepal: shape of apex



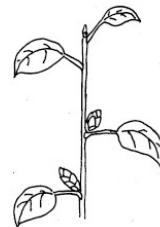
Ad. 28: Flower bud: arrangement



1  
terminal only

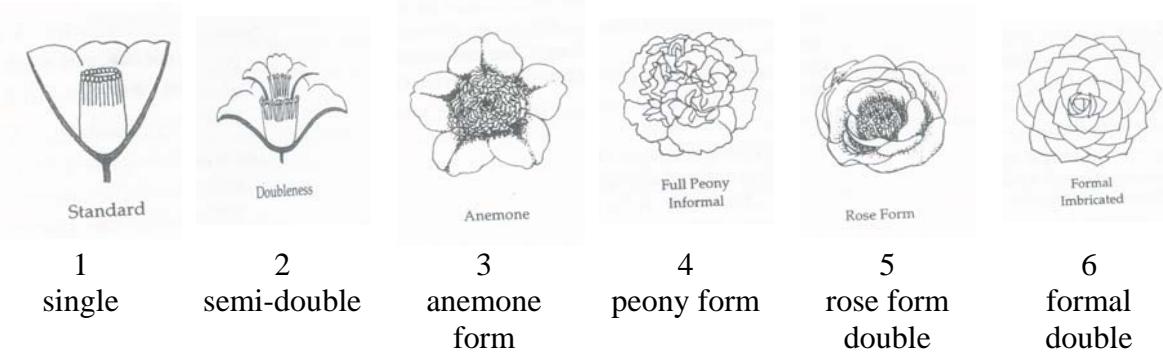


2  
terminal and axillary



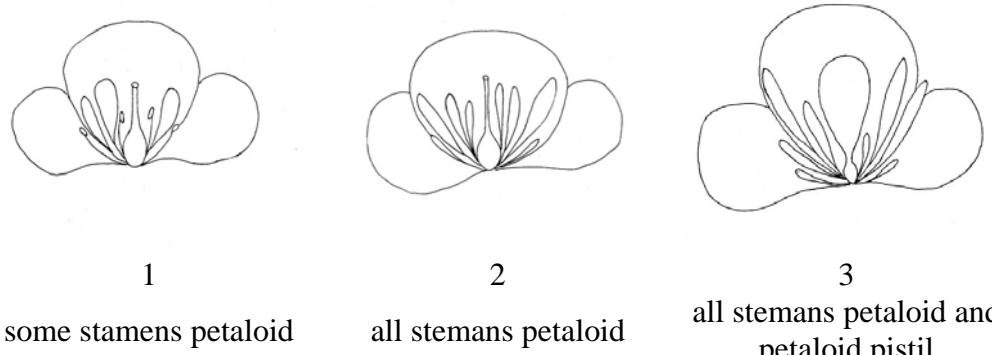
3  
axillary only

Ad. 30: Flower: form



1. The single is the typical wild camellia flower form with five to seven irregular, overlapping petals in a single row and a more or less columnar stamen cluster.
2. The semi-double has in excess of eight petals in two or more rows with a conspicuous stamen centre, with no petaloids. The Petals may be regular, irregular or loose.
3. The anemone form, has one or more outer rows of large petals while, in the centre, the stamens have become totally petaloid and form a convex mass in the centre of the flower.
4. The peony form has loose petals, usually irregular or wavy, becoming smaller to the centre, where they are divided into by fascicles of stamens; sometimes the centre is a mixture of small petals, petaloids and stamens; or is a convex mass of a mixture of irregular, twisted petals and petaloids, with the stamen, if any, obscured.
5. The rose form double has multiple rows of imbricated petals opening through a bud-shaped centre to show some stamens in a concave centre when fully open.
6. The formal double has many rows of regular, overlapping petals and has no stamens.

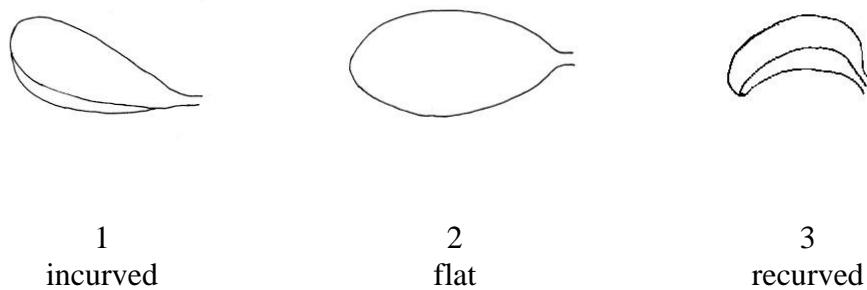
Ad. 33: Flower: petaloids



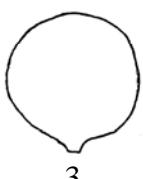
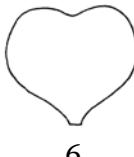
Ad. 35: Petal: shape of apex



Ad. 37: Petal: curvature of longitudinal axis



Ad. 38: Flower: shape of petals of first outer row

	below middle	at middle	above middle
Elongated			
length/width		 2 oblong	 5 obovate
	 1 ovate	 3 circular	
Compressed		 4 oblate	 6 obcordate

Ad. 39: Petal: undulation of margin



1  
absent or weak



2  
medium



3  
Strong

Ad. 40: Petal: venation

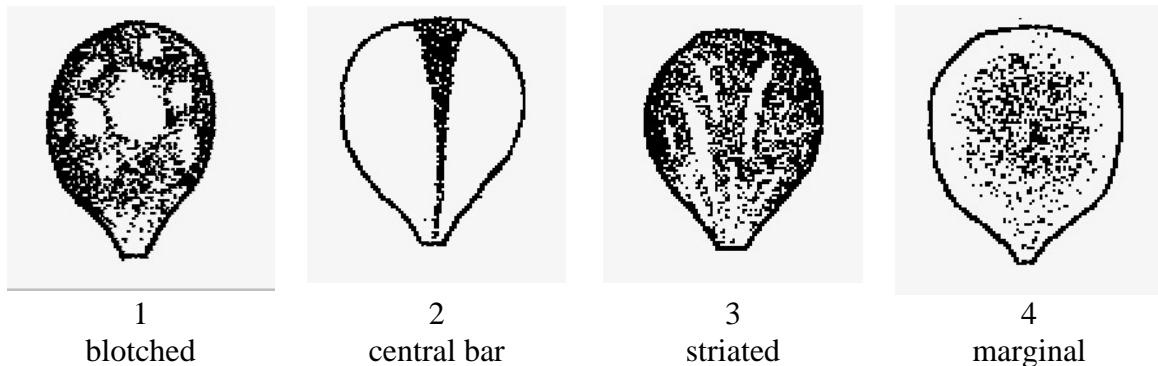
to be provided

Ad. 41: Petal: main color

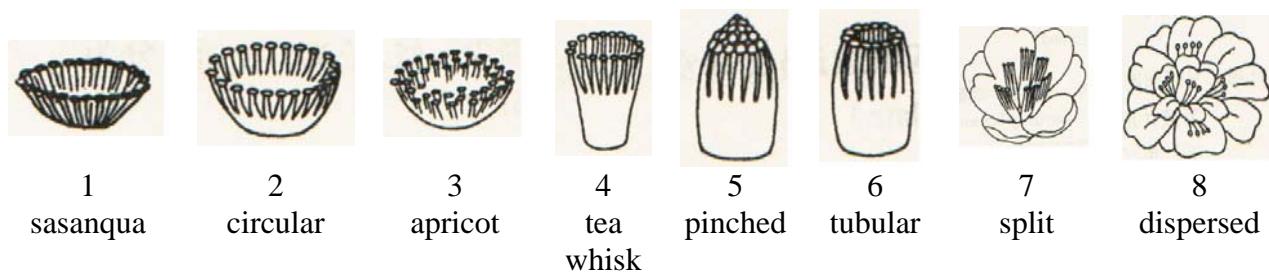
Ad. 44: Petal: pattern of secondary color

to provide explanation of main color and secondary color

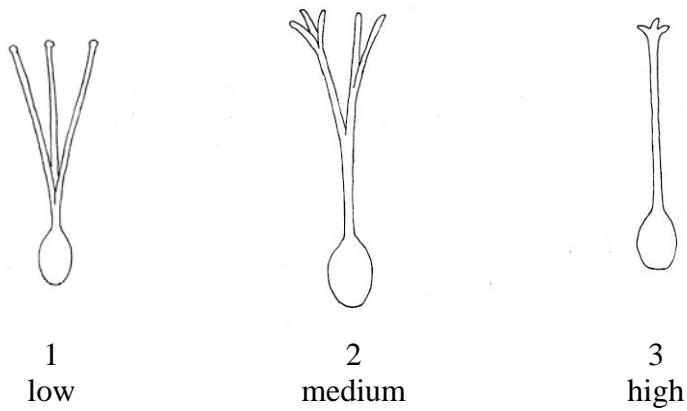
Ad. 44 Petal: pattern of secondary color



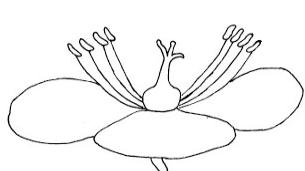
Ad. 45: Stamens: arrangements



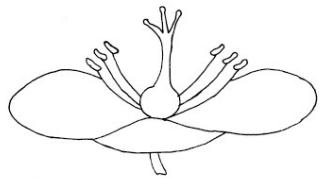
Ad. 47: Style: position of splitting



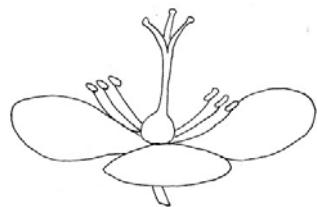
Ad. 48: Stigma: position in relation to stamens



1  
below



2  
same level



3  
above

## 9. Literature

Chang, H., Ren, S., 1988: Flora of China. Vol.49 (3). Science Press, Beijing, CN, pp. 281

Chen, S., 1985: Camellias of Zhejiang Province. Zhejiang Press of Science and Technology, Zhejiang, CN, pp.154

Feng, G., Xia L., Zhu, X., 1981: Yunnan Camellias. Yunnan People's Press, Yunnan, Kunming, CN, pp. 98-104

Gao, J., Chen, S., 1998: The World's Best Camellia Cultivars. Zhejiang Press of Science and Technology, Zhejiang, CN, pp. 1-20

Li, J., 2007: Test Guidelines of Distinctness, Uniformity and Stability and Database of Known Varieties in Genus Camellia L. pp. 80

Li, J., Ni S., Li X., Zhang X., Gao J. 2008: Developing the International Test Guideline of Distinctness, Uniformity and Stability for Ornamental Camellia Varieties. International Camellia Journal, pp. 112-118

Macoboy, S., 1997: The illustrated encyclopedia of Camellias. Timber Press, Portland, US

Savige, T. J., 1993: The International Camellia Register. ICS. Vol.1, pp. 1-28.

Yu, D., Feng, Y., 1958: Illustrated Camellias of Yunnan. Science Press, Beijing, CN, pp. 45

Zhuang, M., 1959: Camellias of Yunnan. Shanghai Press of Science and Technology. Shanghai, CN, pp. 35

Trehance, J. Camellias, 2007: The gardener's encyclopedia. Timber Press, Portland, US

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<p style="text-align: center;"><b>TECHNICAL QUESTIONNAIRE</b> to be completed in connection with an application for plant breeders' rights</p>		
1. Subject of the Technical Questionnaire		
1.1 Genus	<i>Camellia L.</i>	
1.2. Species	[ ]	
1.2.1 Botanical name		
1.2.2 Common name		
1.3 Hybrid	[ ]	
1.3.1 Botanical name		
1.3.2 Common name		
2. Applicant		
Name		
Address		
Telephone No.		
Fax No.		
E-mail address		
Breeder (if different from applicant)		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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3. Proposed denomination and breeder's reference

Proposed denomination (if available)

Breeder's reference

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

(.....) x (.....)  
female parent male parent

- (b) partially known cross [ ]  
(please state known 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)

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# 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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#### 4.2 Method of propagating the variety

##### 4.2.1 Vegetative propagation

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



##### 4.2.2 Other [ ] (please provide details)



TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
<b>5.1 Plant: growth habit</b> (1)		
upright	Anticipation	1[ ]
semi-upright	Mary Agnes Patin	2[ ]
spreading	Masterpiece	3[ ]
drooping	Hakuhan Kujaku	4[ ]
horizontal	First Cover	5[ ]
<b>5.2 Leaf blade: length</b> (9)		
very short		1[ ]
very short to short		2[ ]
short	Xiao Mei Gui	3[ ]
short to medium		4[ ]
medium	Hong Lu Zhen	5[ ]
medium to long		6[ ]
long	Zhu Sha Zi Pao	7[ ]
long to very long		8[ ]
very long		9[ ]
<b>5.3 Leaf blade: margin</b> (23)		
entire	Chun Jiang Zhi Xia	1[ ]
serrulate	L.T. Dees	2[ ]
serrate	Nokogiriba	3[ ]
bidentate	Bill Goertz	4[ ]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<b>5.4 Flower: diameter</b> (29)		
very small	Wei Hua Lian Rui Cha	1[ ]
very small to small		2[ ]
small	Xiao Mei Gui	3[ ]
small to medium		4[ ]
medium	Hong Lu Zhen	5[ ]
medium to large		6[ ]
large	Da Li Cha	7[ ]
large to very large		8[ ]
very large	Feng Bao Jing Cha	9[ ]
<b>5.5 Flower: form</b> (30)		
single	Da Hong Jin Xin	1[ ]
semi-double	Chun Jiang Zhi Xia	2[ ]
anemone form	Jin Pan Li Zhi	3[ ]
peony form	Hua Mu Dan	4[ ]
rose form double	Zhuang Yuan Hong	5[ ]
formal double	Xue Ta	6[ ]
<b>5.6 Flower: presence of petaloids</b> (31)		
absent		1[ ]
present		9[ ]
<b>5.7(i) Petal: main color</b> (41)		
RHS Colour Chart (indicate reference number)		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<b>5.7(ii) Petal: main color</b> (41)		
white		1[ ]
yellow		2[ ]
orange		3[ ]
pink		4[ ]
red		5[ ]
purple		6[ ]
<b>5.8 Petal: secondary color</b> (43)		
RHS Colour Chart (indicate reference number)		
<b>5.9 Time of flowering</b> (50)		
very early	Chun Jiang Zhi Xia	1[ ]
very early to early		2[ ]
early	Xiao Mei Gui	3[ ]
early to medium		4[ ]
medium	Zao Chun Da Hong Qiu	5[ ]
medium to late		6[ ]
late	Chong Qing Hong	7[ ]
late to very late		8[ ]
very late	Da Hong Jin Xin	9[ ]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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 <b>similar</b> variety(ies)	Describe the expression of the characteristic(s) for <b>your</b> candidate variety
<i>Example</i>	<i>Plant: growth habit</i>	<i>Semi-upright</i>	<i>Upright</i>
Comments:			

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>A representative color image 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>		

<sup>#</sup> 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”.

.....

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

Applicant's name

Signature  Date