



CHINA

The DUS test of HIBISCUS /// 木槿的DUS测试

Stéphanie CHRISTIEN | Virtual conference | 29 November 2023
Stéphanie CHRISTIEN | 线上会议 | 2023年11月29日



Funded by the European Union
受欧盟资助

www.ipkey.eu





 IPKey

CHINA



Funded by the European Union
受欧盟资助

www.ipkey.eu



The DUS test of HIBISCUS // 木槿的DUS测试

Stéphanie CHRISTIEN | GEVES - France | 29 November 2023

Stéphanie CHRISTIEN | 法国, GEVES | 2023年11月29日



INDEX /// 主要内容

- 1 – Introduction /// 简介
- 2 – Trial design /// 试种设计
- 3 – Assessing Uniformity /// 评估一致性
- 4 – Assessing Stability /// 评估稳定性
- 5 – Assessing Distinctness /// 评估特异性
- 6 - Observations of characteristics /// 性状观测
- 7 – Final notes and Reports /// 最终代码和报告




1 - Introduction // 简介

In France, GEVES is entrusted by the Community Plant Variety Office (CPVO) with responsibility for the technical examination of varieties of different species of hibiscus. // 在法国，GEVES受欧盟植物品种局（CPVO）委托，负责各种木槿的品种技术审查。

This presentation will only deal with the species *Hibiscus syriacus* L. // 本报告仅涉及木槿（*Hibiscus syriacus* L.）。



2 – Trial design // 试种设计



TG/274/1
ORIGINAL: English
DATE: 2011-10-20

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
 GENEVA

ROSE OF SHARON
 UPOV Code: HIBIS_SYR
Hibiscus syriacus L.

GUIDELINES
FOR THE CONDUCT OF TESTS
FOR DISTINCTNESS, UNIFORMITY AND STABILITY

Alternative Names:^{*}

Botanical name	English	French	German	Spanish
<i>Hibiscus syriacus</i> L.	Rose of Sharon, Shrub Althea	Hibiscus de Syrie	Hibiskus, Echter Rosenbisch	Alceia-Arbustiva, Hibisco Colomar, Hibisco da Siria, Rosa de Sharao

The purpose of these guidelines ("Test Guidelines") is to elaborate the principles contained in the General Introduction (document TG/17), 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.]

E

The DUS exam follows the Technical Guideline TG/247/1, available on the UPOV website : // DUS测试遵循技术指南TG/247/1, 可在UPOV网站上获得:

<https://www.upov.int/edocs/tgdocs/en/tg274.pdf>

It applies to all varieties of *Hibiscus syriacus* L. // 该指南适用于木槿 (*Hibiscus syriacus* L.) 的所有品种。

The minimum duration of tests should normally be a single growing cycle. // 测试周期至少应持续一个独立的生长周期。

Each test should be designed to result in a total of at least 8 plants // 每次测试总共应当产生至少8个植株。

2 – Trial design /// 试种设计

In practice at GEVES /// GEVES现行做法

December
1st ///
12月1日

Application
deadline ///
申请截止日期

Feb.15th –
March 15th
///2月15日
–3月15日

Plant Material
submission ///
植物材料提交

10 plants /// 10株
- container-grown ///
容器栽培
- able to show all their
characteristics during the
examination period. ///
能在测试期间展现出所有
性状。

Plant material must be
accompanied by a **Plant Passport**
or a **Phytosanitary Certificate**. It
must therefore be **free from pests**
as defined in **regulation**
2016/2031 on protective measures
against pests of plants and its
implementing acts for the species
to which the variety belongs. ///
植物材料必须附有植物护照或植物
检疫证书。凡是在欧盟关于植物病
虫害预防措施的第2016/2031号条例
以及该条例针对提交品种所属物种
的实施细则之中定义的病虫害，提
交的植物材料均不得携带。

2 – Trial design // 试种设计

In practice at GEVES // GEVES 的现行做法

December
1st //
12月1日

Application
deadline //
申请截止日期

- (a) 植株：主枝形态 (性状1)
 - (b) 叶片：复色 (性状14)
 - (c) 花：类型 (性状17)
 - (d) 花：心眼区 (性状22)
 - (e) 花瓣：内表面主色 (不包括花心及扩散) (性状29)
- (a) Plant: growth habit (characteristic 1)
 - (b) Leaf blade: variegation (characteristic 14)
 - (c) Flower: type (characteristic 17)
 - (d) Flower: eye zone (characteristic 22)
 - (e) Petal: main color on inner side (eye zone and extensions excluded) (characteristic 29)

February – December Plant Material

Variety list : comparison and standard varieties // **品种列表**：对比和标准品种
[PLUTO database](#) // [PLUTO数据库](#)
 CPVO variety finder database // CPVO 品种查询数据库
 Technical database // 技术数据库
 Breeder / applicant catalogues // 育种者/申请人名录
 Internet (Planscope, Floriscope, website...) // 互联网 (Planscope、Floriscope、网站...)
 Litterature // 文献
 ...

On the basis of the grouping characteristics // 依据分组性状

Feb.15th –
March 15th
//2月15日
-3月15日

Plant Material
submission //
植物材料提交

10 plants // 10株
 - container-grown // 容器栽培
 - able to show all their characteristics during the examination period. // 能在测试期间展现出所有性状。



Present in the in-vivo reference collection
// 收录于活体参考品种集

Requested to growers/breeders/applicant
// 要求种植者/育种者/申请人提供

2 – Trial design // 试种设计

Out of 10 plants received, 8 are planted outdoor, in open field for the DUS exam // 收到10株植物，其中8株种植在室外，用于DUS测试



Plant material: healthy, vigorous // **植物材料:** 健康，生长良好

No products that affect the natural development of plants (dwarfing, hormones, etc.). // 不含影响植物自然生育的药剂（矮化剂、激素等）。

Irrigation: regular and systematic irrigation to ensure plants to settle and develop properly // **灌溉:** 定期系统化灌溉，确保植株安定并正常生长



Fertilisation: reasoned, based on plant needs // **施肥:** 根据植株需要合理施肥

Phytosanitary treatments: Reasoned protection will be carried out with approved products depending on the development of parasites or pathogens (local or global treatment). // **植物检疫处理:** 根据虫害或病害的发展状况，使用经批准的药剂进行合理防治（局部或整体处理）。



Soil: as homogeneous a plot as possible to avoid experimental bias (attention paid to previous crops, soil preparation, etc.). // **土壤:** 尽可能确保地块土质均匀，避免实验偏差（注意前茬作物、整地等）。

3 – Assessing Uniformity /// 评估一致性

Article 8 of the 1991 UPOV convention: *The variety shall be deemed to be uniform if, subject to the variation that may be expected from the particular features of its propagation, it is sufficiently uniform in its relevant characteristics.* /// **UPOV公约 (1991年文本) 第8条:** 一个品种从其繁殖的特点预期可能出现变异的情况下，如果其有关性状表达足够整齐一致，则该品种应被认为具有一致性。

Acceptance levels for uniformity are set according to the method of propagation /// 一致性的接受标准根据繁殖方法设定

Hibiscus → vegetatively propagated varieties ///

木槿 → 营养繁殖品种

the model used is the off type approach /// 采用异型株法判断

TG/247/1

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 8 plants, 1 off-type is allowed /// **一致性评估应采用1%的群体标准和至少95%的接受概率。**如样本量为8株，则允许有1个异型株。



4 – Assessing Stability /// 评估稳定性

Article 9 of the 1991 UPOV convention: *The variety shall be deemed to be stable if its relevant characteristics remain unchanged after repeated propagation or, in the case of a particular cycle of propagation, at the end of each such cycle.* /// **UPOV公约第9条:** 如果一个品种经过反复繁殖后，或者对于特定繁殖周期而言，在每个周期结束时，其相关性状保持不变，该品种应被认为具有稳定性。

TG/247/1

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. /// 4.3.1 在实践中，开展稳定性测试得到的结果通常不会像特异性和一致性测试那样确定。但是经验表明，对许多类型的品种而言，如果某一品种显示出一致性，就可以认为该品种也具有稳定性。

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. /// 4.3.2 有特殊情况或存在疑问时，可以再用新的植物材料进一步测试稳定性，确认其表现出的性状与最初提供的材料所展现的性状相同。



5 – Assessing Distinctness /// 评估特异性

Article 7 of the 1991 UPOV convention: *The variety shall be deemed to be distinct if it is clearly distinguishable from any other variety whose existence is a matter of common knowledge at the time of the filing of the application. In particular, the filing of an application for the granting of a breeder's right or for the entering of another variety in an official register of varieties, in any country, shall be deemed to render that other variety a matter of common knowledge from the date of the application, provided that the application leads to the granting of a breeder's right or to the entering of the said other variety in the official register of varieties, as the case may be* /// **UPOV公约第7条:** 如果一个品种明显有别于在申请书提交之时人所共知的任何其他品种，该品种应被认为具有特异性。特别是，凡在任何国家就另一品种提交育种者权利申请书的，或申请在正式的品种登记簿中予以登记的，只要由于该申请而获得育种者权利，或者该另一品种被登记在正式的品种登记簿中（具体视情况而定），应认为从申请之日起，该另一品种已为人所共知。

Side-by-side visual comparison in the growing trial /// 在试种期间“并排”目测比较



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测 UPOV 技术指南 TG/247/1 中列出的性状

Method of Observation: VG – MG – MS /// 观测方法: VG – MG – MS

M = Measurement : an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts /// **M = 测量**: 比照经过校准的线性量表进行客观测量, 例如使用直尺、称重秤、色度计、记录日期、计数

V = Visual observation : observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or non-linear charts (e.g. color charts). /// **V = 目视观测**: 专家借助参照物 (如图表、标准品种、并排比较) 或非线性图表 (如比色卡) 进行观测。

Remark : “Visual” observation refers to the sensory observations of the expert and, therefore, also includes smell, taste and touch. /// *注*: “目视”观测是指专家通过感官进行观测, 因此也包括嗅觉、味觉和触觉。

G = Single record for a variety , or a group of plants or part of plants /// **G = 测量或目测某一品种, 或者一组植株或植株部位后得到的单个记录**

S = records for a number of **SINGLE**, individual **plants** or parts of plants /// **S = 分别测量或目测一定数量的植株或植株部位后得到的多个记录**



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测 UPOV 技术指南 TG/247/1 中列出的性状

Stage of Observation /// 观测阶段



Observations should be made on fully developed leaves in the middle third of the current year branch. /// 应观察当年生枝条中间三分之一段上发育完全的叶片。



Observations should be made on a fully opened flower of the current year branch. /// 应观察当年生枝条上完全开放的花朵。



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测 UPOV 技术指南 TG/247/1 中列出的性状

What is observed ? /// 观测什么?

The whole plant /// 整个植株



The petaloid stamens ///

花瓣状雄蕊

The eye zone ///

心眼区

The staminal column
/// 雄蕊柱

The current-year branch ///
当年生枝条

The outermost petal
/// 最外层花瓣



The petiole ///

The petal ///

The leafblade ///

The pedicel ///



6 – Observations of characteristics /// 性状观测



Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

As the characteristic already explained in the chapter 8 of the TG/247/1 are quite clear, my proposal is to focus on the other characteristics. /// 由于TG/247/1的第8章已经将性状解释得相当清楚，我的提议是重点关注其他性状。



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

3.	VG	Plant: density of branching 植株：枝密度	Plante : densité des ramifications	Pflanze: Dichte der Verzweigung	Planta: densidad de la ramificación		
QN	sparse 疏	faible	locker	escasa	Yeonmin	3	 
	medium 中	moyenne	mittel	media	Shichisai	5	
	dense 密	forte	dicht	densa	Antong, Sukim	7	



3



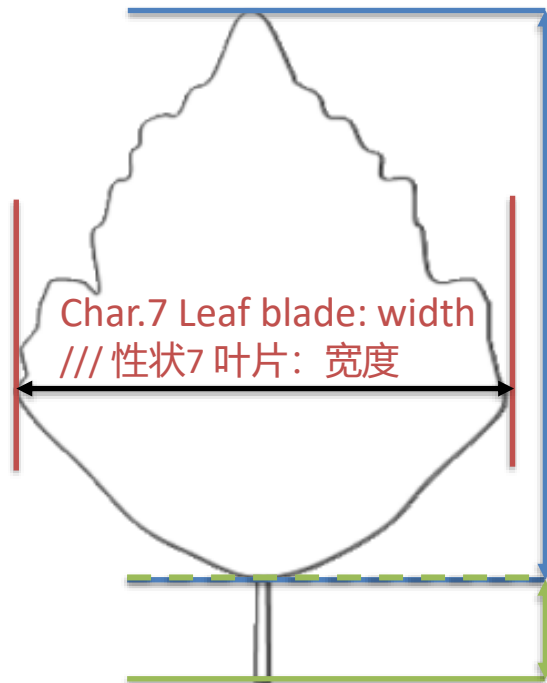
5



7

6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测 UPOV 技术指南 TG/247/1 中列出的性状



Char.6 Leaf blade: length ///
性状6 叶片：长度

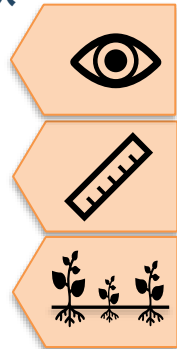
Char.7 Leaf blade: width
/// 性状7 叶片：宽度

Char.5 Petiole: length ///
性状5 叶柄：长度

6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

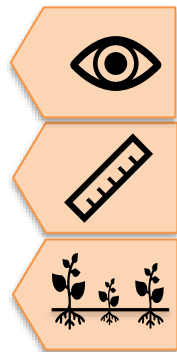
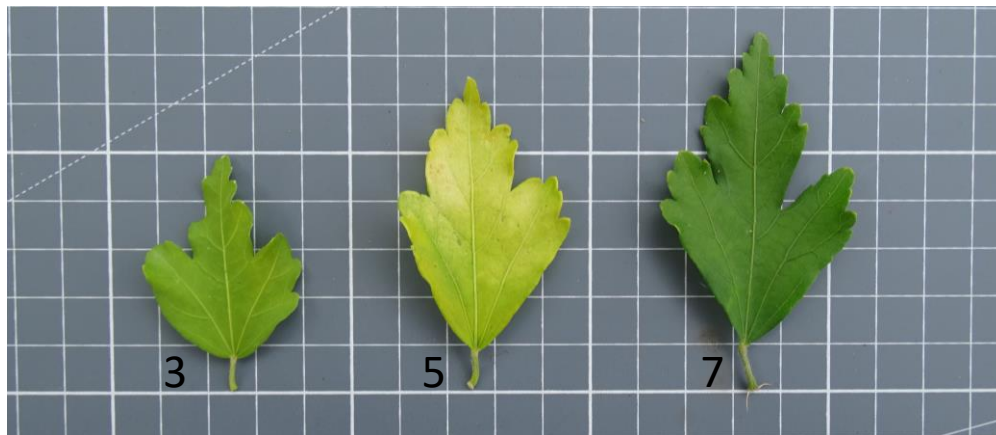
5.	VG	Petiole: length 叶柄: 长度	Pétiole : longueur	Blattstiel: Länge	Pecolo: longitud	
QN	(a)	short 短	court	kurz	corto	3
		medium 中	moyen	mittel	medio	5
		long 长	long	lang	largo	7



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

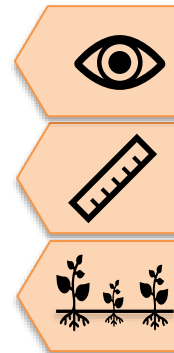
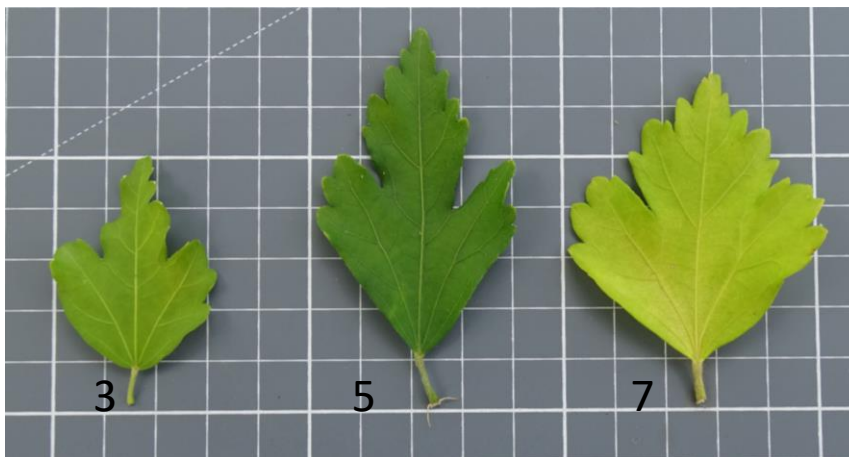
6. (*)	VG/MS	Leaf blade: length 叶片：长度	Limbe : longueur	Blattspreite: Länge	Limbo: longitud		
QN	(a)	short 短	court	kurz	corto	Antong	3
		medium 中	moyen	mittel	medio	Chilbo	5
		long 长	long	lang	largo	Shichisai	7



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

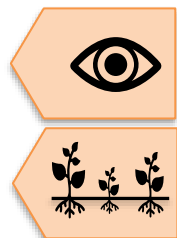
7. VG/ MS (*)	Leaf blade: width 叶片: 宽度	Limbe : largeur	Blattspreite: Breite	Limbo: anchura		
QN (a)	narrow 窄	étroit	schmal	estrecho	Chilbo	3
	medium 中	moyen	mittel	medio		5
	broad 宽	large	breit	ancho	Shichisai	7



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测 UPOV 技术指南 TG/247/1 中列出的性状

10. VG (*)	Leaf blade: intensity of green color 叶片: 绿色深度	Limbe : intensité de la couleur verte	Blattspreite: Intensität der Grünfärbung	Limbo: intensidad del color verde		
QN (a)	light 浅	claire	hell	claro		3
	medium 中	moyenne	mittel	medio	Samchulli	5
	dark 深	foncée	dunkel	oscuro	Chilbo	7



The use of the same reference varieties from trials to trials is important in order to calibrate the intensity of green color on leaf blade /// 为了校准叶片的绿色深度，每一次试种都使用相同的参考品种是很重要的

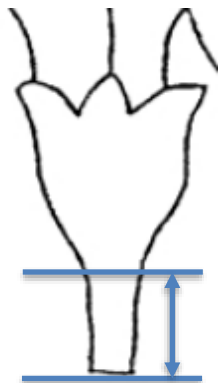
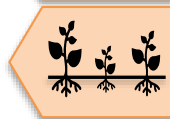


fertilisation can have an influence on this characteristic /// 这一性状可能会受到施肥的影响。

6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

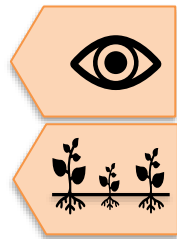
16. VG	Flower: Pedicel: length	Fleur : Pédicelle : longueur	Blüte: Blütenstiel: Länge	Flor: Pedicelo: longitud	
QN (b)	short 短	court	3 – Observations of characterist... kurz	corto	1
	medium 中	moyen	mittel	medio	2
	long 长	long	lang	largo	3



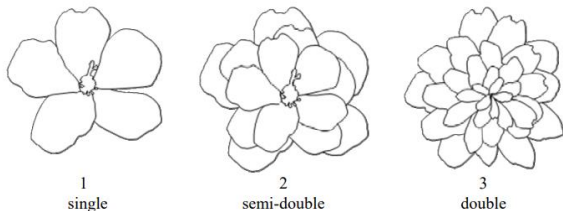
6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

17. VG (*) (+)	Flower: type 花: 类型	Fleur : type	Blüte: Typ	Flor: tipo		
QL (b)	single 单瓣	unique	einfach	simple	Asadal	1
	semi-double 半重瓣	semi-double	halbgefüllt	semidoble	Aka-hanagasa	2
	double 重瓣	double	gefüllt	doble	Pompon Rouge	3



Ad. 17: Flower: type



Single: only 5 petals
Semi-double: some petaloid stamens present
Double: no stamens and no pistil

单瓣: 仅5片花瓣
半重瓣: 有部分花瓣状雄蕊
重瓣: 无雄蕊、无雌蕊



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

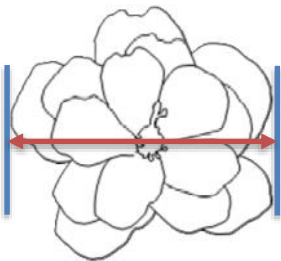
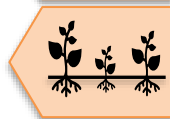
18. MG	<u>Excluding varieties with flower type: single:</u>	<u>Flower: number of petaloid stamens</u>	花类型: 单瓣除外: 花: 花瓣状雄蕊数量	À l'exclusion des variétés à type de fleur : unique :	Fleur : nombre d'étamines pétaloïdes	Ohne Sorten mit Blüte: Typ: einfach: Blüte: Anzahl Nebenkronen	Excluidas las variedades con tipo de flor: simple: Flor: número de estambres petaloïdes		
QN (b)	few	少	faible	gering	bajo	Lady Stanley	3		
	medium	中	moyen	mittel	medio	Aka-hanagasa	5		
	many	多	grand	groß	alto	Pompon Rouge	7		



6 – Observations of characteristics /// 性状观测

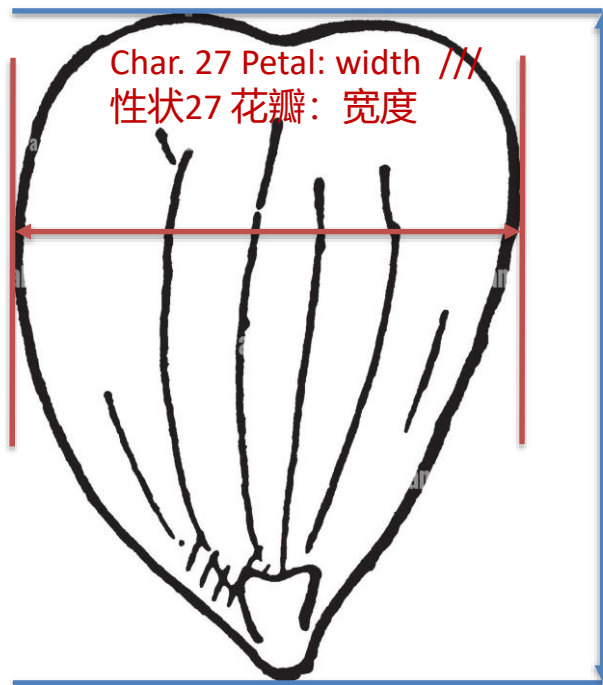
Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

21. (*)	VG/ MS	Flower: diameter 花: 直径	Fleur : diamètre	Blüte: Durchmesser	Flor: diámetro		
QN	(b)	small 小	petit	klein	pequeño	Asadal	3
		medium 中	moyen	mittel	mediano	Chilbo	5
		large 大	grand	groß	grande	Shichisai	7



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

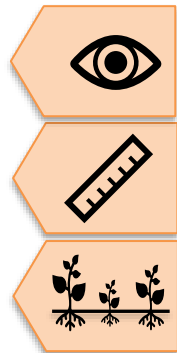


Char. 26 Petal: length ///
性状26, 花瓣: 长度

6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

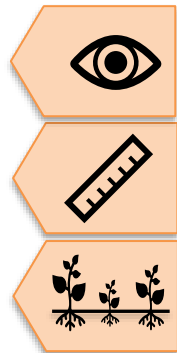
26. VG/ (*) MS	Petal: length 花瓣: 长度	Pétale : longueur	Blütenblatt: Länge	Pétalo: longitudud		
QN (b)	short 短	court	kurz	corto	Asadal	3
	medium 中	moyen	mittel	mediano	Chilbo	5
	long 长	long	lang	largo	Shichisai	7



6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

27. VG/ MS (*)	Petal: width 花瓣: 宽度	Pétale : largeur	Blütenblatt: Breite	Pétalo: anchura		
QN (b)	narrow 窄	étroit	schmal	estrecho	Asadal	3
	medium 中	moyen	mittel	medio	Chilbo	5
	broad 宽	large	breit	ancho	Shichisai	7

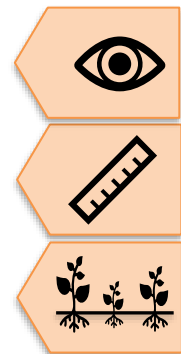


6 – Observations of characteristics /// 性状观测

Observation of the UPOV characteristics from TG/247/1 /// 观测UPOV技术指南TG/247/1中列出的性状

34.	VG	<u>Excluding varieties with flower type: double; Staminal column: length</u> 花类型：重瓣除外： 雄蕊柱长度	<u>À l'exclusion des variétés à type de fleur : double :</u> Colonne staminale : longueur	<u>Ohne Sorten mit Blüte: Typ: gefüllt:</u> Columna: Länge	<u>Excluidas las variedades con tipo de flor: doble:</u> Columna estaminal: longitud		
QN	(b)	short 短	courte	kurz	corta	Asadal	1
		medium 中	moyenne	mittel	mediana	Chilbo	2
		long 长	longue	lang	larga	Shichisai, Sukim	3

Ad. 34: Excluding varieties with flower type: double; Staminal column: length



7 - Final notes and Reports /// 最终代码和报告

Final notes to be put in the variety description /// 写入品种描述的最终代码

For VG characteristics, the note observed during the DUS cycle /// 对于VG性状，采用DUS周期中观测得出的代码

For MG and MS characteristics, quantitative measures need to be transformed into qualitative notes : /// 对于MG和MS性状，定量测量结果需要转换为定性代码，方法包括：

- by reference to example varieties /// 比照标准品种
- by calculation of the range of expression of the characteristic. This is then divided into states, each state relating to a note. /// 计算性状表达的范围，然后将其划分为多个状态，每个状态与一个代码相关。



7 - Final notes and Reports /// 最终代码和报告

Reports /// 报告

→ Template available on the UPOV website /// UPOV网站上提供的模板

DOCUMENT TGP/5 EXPERIENCE AND COOPERATION IN DUS TESTING ///

文件TGP/5: DUS 测试的经验与合作

第6部分: UPOV Report on Technical Examination and UPOV Variety Description ///

第6节: UPOV技术审查报告和UPOV品种描述

[Microsoft Word - tgp5_section_06_04_EN.docx \(upov.int\)](#)



7 - Final notes and Reports /// 最终代码和报告

Report 报告



Address of the requesting authority :
Office Communautaire des Variétés Végétales
3, Boulevard Foch
CS 10121
49101 ANGERS CEDEX 02
France

UPOV REPORT ON TECHNICAL EXAMINATION

1. Reference number of reporting authority : 4067790
2. Requesting authority : Office Communautaire des Variétés Végétales
3. Reference number of requesting authority : 20192007
4. Breeders' reference : minsyrou17
5. Date of application in requesting State : 20/08/2019
6. Applicant (name and address) : HORTIVAL DIFFUSION SAS 25 rue Les Fontaines de l'Ansay Basfort en Vallée 49250 BEAUFORT EN ANJOU France

7. Botanical name of taxon : Hibiscus syriacus L.
8. Common name of taxon : Hibiscus
9. Variety denomination : MINSYROU17
10. Breeder (name and address) : (if different from applicant)
11. Testing authority : GEVES (France)
12. Testing station(s) and place(s) : Brion (49)
13. Period of testing : 2020
14. Date and place of issue of document : Beaugoux, Thursday, March 25, 2021

16. RESULTS OF THE TECHNICAL EXAMINATION AND CONCLUSIONS

(a) Report on Distinctness :

- The variety
- is clearly distinguishable from any other varieties
 - is not clearly distinguishable from all varieties whose existence is known to us

(b) Report on Homogeneity :

- The variety
- is sufficiently homogeneous
 - is not sufficiently homogeneous

having regard to the particular features of its sexual reproduction or vegetative propagation.

(c) Report on Stability :

- The variety
- is stable
 - is not stable

in its potential characteristics.

In the case of a positive conclusion, a description of the variety is given as annex to this report.

16. REMARKS

Signature Stéphane CHRISTIEN

Postal address : GEVES - 23 Rue Georges Morel - CS 90024 - 49071 Beaugoux Cedex - FRANCE



VARIETY DESCRIPTION

1. Reference number of reporting authority : DEE 4067766
2. Reference number of requesting authority : 20172975
3. Breeder's reference / document denomination : minsyrou3 / MINSYREU3
4. Applicant (name and address) : HORTIVAL DIFFUSION SAS 25 rue Les Fontaines de l'Ansay Basfort en Vallée 49250 BEAUFORT EN ANJOU France
5. Breeder's name : HORTIVAL DIFFUSION SAS
6. Botanical name of taxon : *Hibiscus syriacus L.*
7. Common name of taxon : Hibiscus
7. Variety denomination : ---
- 7bis. Variety type : clone
8. Date and document number of CPVO test guidelines : 21/03/2018, CPVO-TP-2741
9. Date and/or document number of national test guidelines : ---
10. Testing authority : GEVES, France
11. Testing station(s) and place(s) : Brion (49)
12. Period of testing : 01/04/2020 - 01/12/2020
13. Date and place of document : 25/03/2021, Brion

16. Characteristics observed

OCVV or National No	Characteristic	Level of expression	Note
1	Plant		
1	growth habit	semi upright	2
2	height	medium to tall	6
3	density of branching	medium	5
4	Current-year branch		
4	colour	greenish	1
5	Petiole		
5	length	medium	5
6	Leaf blade		
6	length	long	7
7	width	narrow to medium	4
8	ratio length/width	very elongated	3
9	shape of base	acute	1
10	intensity of green colour	medium to dark	6
11	lobing	shallow to medium	4
12	undulation	medium	2
13	incisions of margin	few	3
14	variegation	absent	1
15	colour of variegation	not applicable	-
16	Flower		
16	pedicel length	medium	2
17	type	single	1
18	excluding varieties with flower type sigle: number of petaloid stamens	not applicable	-
19	attitude of outermost petals	strongly ascending	1
20	excluding varieties with flower type double: arrangement of outermost petals	strongly overlapping	5

(i.h.) Characteristics identified by a letter are additional characteristics used in France

Reference number of reporting authority: DEE 4067766, ---

OCVV or National No	Characteristic	Level of expression	Note
21	diameter	large to very large	8
22	eye zone	present	9
23	Petal size of eye zone relative to petal (extensions excluded)	small to medium	4
24	Eye zone length of excursions	short	2
25	main colour	59A (RHS2015)	
26	Petal length	long to very long	8
27	width	medium to broad	6
28	shape	moderately elongated	2
29	main colour on inner side (eye zone and extensions excluded)	N78B-C (RHS 2015)	
30	secondary colour on inner side (eye zone and extensions excluded)	not applicable	-
31	distribution of secondary colour (eye zone and extensions excluded)	not applicable	-
32	incisions	absent or weak	1
33	undulation	weak to medium	1
34	excluding varieties with flower type double: staminal column length	medium	2

16. Similar varieties and differences: in relation to those varieties

Denomination of similar variety	Characteristic in which the similar variety is different	Similar variety State of expression	Candidate variety State of expression
Flora	Leaf blade 11 lobing	7 deep	4 shallow to medium
	Flower 21 diameter	6 medium to large	8 large to very large

17. Additional information:

- a) Additional data : ---
b) Remarks : ---



(i.h.) Characteristics identified by a letter are additional characteristics used in France



Funded by the European Union
受欧盟资助



Any questions?
欢迎提问

THANK YOU
感谢聆听

 @IPKey_EU

Presentation		
Status	DRAFT / APPROVED	
Approved by owner	-	
Authors	GEVES	Stéphanie CHRISTIEN
	-	
Contributors	GEVES	Valentin VIDAL-RIBEIL
	-	

Revision history			
Version	Date	Author	Description
0.1	DD/MM/YYYY		
0.1	DD/MM/YYYY		
0.1	DD/MM/YYYY		

