

DISCLAIMER

The present version of the national guideline has been accepted by the President of the CPVO for its use in technical examinations carried out on behalf of the CPVO or for the take-over of reports serving as a basis for a CPVO decision.

Hylotelephium
National protocol: NP/HYL/3

Examination office:	Naktuinbouw
Reference of the protocol:	NP/HYL/3
Date of preparation of the protocol:	01/10/2023
Date of entry into force of the protocol:	31/03/2023
Botanical taxon:	<p>Hylotelephium telephium (L.) H. Ohba</p> <p>Hylotelephium telephium (L.) H. Ohba x H. spectabile (Boreau) H. Ohba</p> <p>Hylotelephium spectabile (Boreau) H. Ohba</p> <p>Hylotelephium cauticola (Praeger) H. Ohba x Hylotelephium telephium (L.) H. Ohba</p> <p>Hylotelephium cauticola (Praeger) H. Ohba x H. tatarinowii (Maxim.) H. Ohba</p> <p>Hylotelephium tatarinowii (Maxim.) H. Ohba</p> <p>Hylotelephium tatarinowii (Maxim.) H. Ohba x H. telephium (L.) H. Ohba</p> <p>Hylotelephium H. Ohba x Orostachys malacophylla (Pall.) Fisch.</p> <p>Hylotelephium L. x Sedum L.</p>
Common Name (when known):	Live-forever
Way of propagation of the plants to be examined:	<p>Self or cross pollinated seed propagated <input type="checkbox"/></p> <p>Vegetatively propagated <input checked="" type="checkbox"/></p>
Number of growing cycles:	<p>1 <input checked="" type="checkbox"/></p> <p>2 <input type="checkbox"/></p> <p>Other <input type="checkbox"/> specify</p>
List of grouping characteristics:	<p>Yes <input type="checkbox"/> if yes put as annex</p> <p>No <input checked="" type="checkbox"/></p>

Minimum number of plants in trial:	Vegetative:20	Seed: -
Minimum number of plants observed by measuring or counting:	Vegetative:1	Seed: -
Give description of when observations should take place:	<p>Observation on the flower bud should take place: just before opening</p> <p>Observation on the flower should take place: at full flowering</p> <p>Observation on the leaf should take place: at full flowering</p> <p>Other observations should take place: at full flowering</p>	
<p>Uniformity:</p> <ul style="list-style-type: none"> - For the assessment of uniformity of vegetatively propagated, self-pollinated seed propagated varieties or F1-hybrids, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 24 plants, 1 off-types are allowed. - For the assessment of uniformity for cross-pollinated varieties, the recommendations for cross-pollinated varieties in the General introduction of UPOV should be applied. The variability within the variety should not exceed the variability of comparable varieties already known. 		
Table of characteristics:	Present <input checked="" type="checkbox"/> Not available <input type="checkbox"/>	
Literature: (when present, please annex to this document)	Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/>	

Table of characteristics:

N°	Characteristics	Examples	Note
1.	Plant: growth habit		
QN	upright	Mr Goodbud	1
	upright to spreading	Marina	2
	spreading	PLDAZ2018	3
2.	Plant: height		
QN	very short	Florseamb	1
	short	PLDAZ2018	2
	medium	Marina	3
	tall	Mr Goodbud	4
	very tall	Jaws	5
3.	Plant: width		
QN	very narrow		1
	narrow	Class Act	2
	medium	Crystal	3
	broad	Pool Party	4
	very broad	Touchdown Teak	5
4.	Stem: diameter at ground level		
QN	very small	PLDAZ2018	1
	small	Cloud Walker	2
	medium	Jaws	3
	large	Mr Goodbud	4
	very large	Rüsetta	5
5.	Stem: color		
PQ	yellowish	Jaws	1
	greenish	Crystal	2
	greyish		3
	reddish	Marina	4
	purplish	Chocolate Drop	5

N°	Characteristics	Examples	Note
6.	Stem: intensity of coloration		
QN	very light	Crystal	1
	light	Jaws	2
	medium	Pool Party	3
	dark	Touchdown Breeze	4
	very dark	Chocolate Drop	5
7.	Leaf: length		
QN	very short		1
	short	PLDAZ2018	2
	medium	Crystal	3
	long	Cloud Walker	4
	very long	Mr Goodbud	5
8.	Leaf: width		
QN	very narrow	PLDAZ2018	1
	narrow	Marina	2
	medium	Mr Goodbud	3
	broad	Touchdown Jade	4
	very broad		5
9.	Leaf: shape		
PQ	ovate	Rüsetta	1
	elliptic	Mr Goodbud	2
	obovate	PLDAZ2018	3
10.	Leaf: shape of apex		
PQ	acute	Rainbow Xenox	1
	obtuse	Pool Party	2
	rounded	Rüsetta	3
11.	Leaf: thickness		
QN	thin	PLDAZ2018	1
	medium	Rüsetta	2
	thick	Oridan	3

N°	Characteristics	Examples	Note
12.	Leaf: main color of upper side		
PQ	white		1
	yellow	Beka	2
	green	Mr Goodbud	3
	grey	Frosty Morn	4
	red	Marina	5
	purple	Chocolate Drop	6
13.	Leaf: intensity of coloration		
QN	very light	Stardust	1
	light	Cloud Walker	2
	medium	Touchdown Breeze	3
	dark	Marina	4
	very dark	Chocolate Drop	5
14.	<u>Only varieties with variegation:</u> Leaf: color of variegation		
PQ	whitish	Frosty Morn	1
	yellowish	Lajos	2
	greenish	Beka	3
15.	<u>Only varieties with variegation:</u> Leaf: distribution of variegation		
PQ	central zone		1
	marginal zone	Lajos	2
	throughout	"mediovariagatum"	3
16.	Leaf: dept of incisions of margin		
QN	absent or very shallow	Crystal	1
	shallow	PLDAZ2018	2
	medium	Cherry Truffle	3
	deep	Cloud Walker	4
	very deep	Jaws	5

N°	Characteristics	Examples	Note
17.	Inflorescence: length		
QN	very short	TNSEDDM	1
	short	Class Act	2
	medium	Orbit Bronze	3
	long	GARBRO	4
	very long	Touchdown Teak	5
18.	Inflorescence: diameter		
QN	very small	TNSEDDM	1
	small	Cloud Walker	2
	medium	GARBRO	3
	large		4
	very large		5
19.	Flower bud: main color		
PQ	white	Frosty Morn	1
	yellow	Sunkissed	2
	green	Florseyedel	3
	pink	Crystal	4
	red	Cherry Truffle	5
	purple red	PLDAZ2018	6
	purple	Florseamb	7
20.	Flower: diameter		
QN	very small	Lajos	1
	small	Marina	2
	medium	Rüsetta	3
	large	Crystal	4
	very large	Cloud Walker	5
21.	Sepals: intensity of anthocyanin coloration		
QN	absent or very weak	Crystal	1
	weak	Dream Dazzler	2
	medium	Florseamb	3
	strong	Chocolate Drop	4
	very strong	Touchdown Teak	5

N°	Characteristics	Examples	Note
22.	Petal: length		
QN	very short	Pool Party	1
	short	Munstead Dark Red	2
	medium	Rüsetta	3
	long	Crystal	4
	very long	Cloud Walker	5
23.	Petal: shape		
PQ	narrow ovate	Cloud Walker	1
	medium ovate	Touchdown Breeze	2
	narrow elliptic	Elsie	3
	medium elliptic	Rainbow Xenox	4
24.	Petal: main color of upper side		
PQ	RHS Colour Chart (indicate reference number)		
25.	Petal: secondary color of upper side		
PQ	RHS Colour Chart (indicate reference number)		
26.	<u>Only varieties with more than one color:</u> Petal: distribution of secondary color		
PQ	basal zone	Dream Dazzler	1
	distal zone	Touchdown Teak	2
	marginal zone	Cloud Walker	3
	central zone	Chocolate Drop	4
27.	Anther: color		
PQ	orangish	Rüsetta	1
	reddish	Crystal	2
	purplish		3
	brownish		4

28. Style: color

PQ	white		1
	yellowish	Touchdown Flame	2
	greenish	Rüsetta	3
	pinkish	Frosty Morn	4
	reddish	GARBRO	5
	purplish	Touchdown Teak	6

29. Ovary: color

PQ	white	Stardust	1
	yellow green	Rüsetta	2
	pink	Frosty Morn	3
	pink blue	Crystal	4
	red	GARBRO	5
	red purple	Cloud Walker	6

Literature:

The Cambridge Illustrated Glossary of Botanical Terms: by Michael Hickey and Clive King

Name that flower: by Ian Clarke and Heleen Lee

Botanisch woordenboek: by Henk Eggelte
