

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
