

Crassula
National protocol: NP/CSL/2

Examination office	Naktuinbouw
Reference of the protocol	NP/CSL/2
Date of preparation of the protocol	05-12-2022
Date of entry into force of the protocol	31-03-2022
Botanical taxon:	<p>Crassula L.</p> <p>Crassula arborescens (Mill.) Willd</p> <p>Crassula mesembryanthoides (Haw.) D. Dietr.</p> <p>Crassula mesembryanthoides (Haw.) D. Dietr. x Crassula rupestris Thunb.</p> <p>Crassula muscosa L.</p> <p>Crassula nudicaulis L.</p> <p>Crassula nudicaulis L. x Crassula perfoliata L. var. minor (Haw.) G. D. Rowley</p> <p>Crassula ovata (Mill.) Druce</p> <p>Crassula pubescens Thunb.</p> <p>Crassula schmidtii Regel</p> <p>Crassula swaziensis Schönland</p>
Common Name (when known):	Crassula
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 Click or tap here to enter text.</p>
List of grouping characteristics	<p>Yes <input checked="" type="checkbox"/> if yes put as annex</p> <p>No <input 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 of the leaf should take place: after 6 months of growing in the test facility.</p> <p>Other observations should take place: after 6 months of growing in the test facility.</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 20 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	<p>Present <input checked="" type="checkbox"/></p> <p>Not available <input type="checkbox"/></p>	
Literature (when present, please annex to this document)	<p>Present <input checked="" type="checkbox"/></p> <p>Absent <input type="checkbox"/></p>	

Table of Characteristics Crassula

1. Plant: height	short	3	Money maker
	medium	5	
	tall	7	
2. Plant: width	narrow	3	Ovcras03 Money maker
	medium	5	
	broad	7	
3. Plant: branching	absent	1	Frodo
	present	9	
4. Plant: number of leaves	few	3	Money maker Dacamelod
	medium	5	
	many	7	
5. Plant: growth habit	pendulous	1	Odessa
	Semi-erect	2	
	erect	3	
6. Plant: pubescence	absent	1	Minova Magic Delta
	Present	9	
7. Stem: length	short	3	Tenelli
	medium	5	
	long	7	
8. Stem: diameter at base	narrow	3	Odessa Crasmada Ovcras03
	Medium	5	
	Wide	7	
9. Stem: length of internodes	short	3	Money maker Delta Ovcras03
	Medium	5	
	long	7	
10. Stem: colour	light green	1	Money maker Magical Crasmada
	medium green	2	
	dark green	3	
	light grey green	4	
11. Stem: presence of lignification	absent	1	Tenelli Sunset Magic
	Present	9	
12. Stem: profile in cross section	square	1	Decamelod Tenelli
	Round	2	
13. Stem: anthocyanin colouration	absent	1	Tenelli Odessa
	Present	9	
14. Leaf: attachment	sessile	1	Magical
	Petiolate	2	
15. Leaf: arrangement	alternate	1	Odessa Delta Magical Dacamelod
	opposite	2	
	decussate	3	
	ad pressed	4	
16. Leaf: length	short	3	Delta Red monstrosa
	medium	5	
	long	7	
17. Leaf: width	narrow	3	Delta Magical Frodo
	medium	5	
	broad	7	
18. Leaf: thickness	thin	3	Minova Magic Sunset Magic
	medium	5	
	thick	7	
19. Leaf: number of colours	one	1	Money Maker Crasmada Sunsent Magic
	two	2	
	three	3	
20. Leaf: green colour of upper side		RHS colour chart (indicate reference number)	
21. Leaf: secondary colour of upper side		RHS colour chart (indicate reference number)	
22. Leaf: third colour of upper side		RHS colour chart (indicate reference number)	
23. Leaf: green colour of lower side		RHS colour chart (indicate reference number)	

24. Leaf: presence of red or red-brown margin	absent present	1 9	Dacamelod Crasmada
25. Leaf: shape	oblong triangular narrow ovate ovate broad ovate elliptic broad obovate obovate narrow obovate	1 2 3 4 5 6 7 8 9	Red monstrosa Dacamelod Magical Ovcras03 Odessa Minova Magic Money maker
26. Leaf: presence of thickened leaf	absent present	1 9	
27. Varieties with thickened leaves only Leaf: profile in cross-section	concave concave to straight straight straight to convex convex	1 2 3 4 5	Tenelli Sunset Magic
28. Varieties with non-thickened leaves only Leaf: profile in cross-section	concave concave to straight straight straight to convex convex rolled	1 2 3 4 5 6	Red monstrosa
29. Leaf: profile in longitudinal section	incurved incurved to straight straight straight to recurved recurved twisted	1 2 3 4 5 6	Money maker Crasmada
30. Leaf: pubescence	absent present	1 9	Money maker Tenelli
31. Leaf: shape of margin	smooth undulate	1 9	Money maker
32. Leaf: shape of apex	mucronate acute obtuse rounded almost right angle	1 2 3 4 5	Frodo Delta Money maker Magical Minova Magic
33. Inflorescence: length	short medium tall	3 5 7	Delta
34. Inflorescence: width	narrow medium broad	1 5 6	
35. Inflorescence: number of flowers	few medium many	1 2 3	Tenelli Delta
36. Pedicel: length	short short to medium medium medium to long long	1 2 3 4 5	Delta Money maker
37. Pedicel: diameter	narrow Medium Broad	1 2 3	Delta Tenelli
38. Calyx: colour	light green green	1 2	Delta

	dark green	3	Tenelli
39. Corolla: diameter	narrow	3	
	medium	5	
	broad	7	
40. Corolla: height	short	1	
	medium	5	
	tall	7	
41. Corolla: main colour of upper side	RHS colour chart (indicate reference number)		
42. Corolla: main colour of lower side	RHS colour chart (indicate reference number)		
43. Filament: length	short	1	
	medium	2	Delta
	long	3	Tenelli
44. Filament: colour	white	1	Delta
	light green	2	Tenelli
	red purple	3	
45. Anther: colour	yellow	1	Tenelli
	dark brown	2	Delta
46. Style: colour	light green	1	Delta
	light green to green	2	
	green	3	Tenelli
	green to dark green	4	
	dark green	5	
47. Stigma: colour	white	1	Delta
	light green	2	Money maker
Literature: Dictionary of Gardening: The Royal Horticultural Society Hortica: A.B.Graf Hortica, A.B. Graf			