

Technical questionnaire

apple rootstocks

CPVO/TQ-163/2

Mandatory fields or sections are marked with an asterisk ()*

01 . Botanical taxon: name of the genus, species or sub-species to which the variety belongs:

Malus Mill.

Malus domestica (Suckow) Borkh. × *M.* × *robusta* (Carrière) Rehder

Malus prunifolia (Willd.) Borkh.

Other (please specify)

02 . Application code:

For office use only

03 . Breeder's reference:

Breeder's Ref.

04 . Information on the breeding scheme and propagation of the variety**04 . 01 . Breeding scheme ****(this question could be confidential)*

crossing

mutation

discovery

Please state where and when discovered and how the variety has been developed

other origin

Please provide details

04 . 01.01 . Crossing **(this question could be confidential)*

controlled cross

Indicate denomination and species of the parent varieties

partially known cross

Indicate denomination and species of the known parent variety(ies)

unknown cross

04 . 01.02 . In case of mutation, please fill in the table below: **(this question could be confidential)*

Denomination of the parent variety	Characteristic(s) in which your candidate variety differs from the parent variety	Describe the expression of the characteristic(s) for the parent variety	Describe the expression of the characteristic(s) for your candidate variety

04 . 02 . Method of propagation of the variety *

vegetatively propagated

Please specify the method

seed propagated



04 . 03 . In the case of seed propagated varieties, method of production: *

self-pollination

cross pollination

hybrid

other method

Please specify

05 . Characteristics of the variety to be indicated *

(the number in brackets refers to the corresponding characteristic in the CPVO Technical Protocol; please mark the state of expression which best corresponds)

05 . 01 . Plant: vigour (1) *

1 - very weak

2 - very weak to weak

3 - weak

M 27

4 - weak to medium

J-TE-F

5 - medium

J-TE-H, Mark

6 - medium to strong

Lancep

7 - strong

Cepiland

8 - strong to very strong

9 - very strong

05 . 02 . Plant: number of shoots (in stoolbeds) (3) *

1 - very few

2 - few

3 - medium

Lancep, Last Minute/P22, Supporter 1

4 - many

Joha

05 . 03 . Plant: habit (4) *

1 - upright

2 - upright to spreading

3 - spreading

M 9

4 - drooping

05 . 04 . One-year-old shoot: growth pattern (6) *

1 - straight

Joha

2 - moderately wavy

M 26, M 9, Mark, Supporter 1

3 - strongly wavy



05 . 05 . young shoot: extent of anthocyanin coloration (19) *

- 1 - absent or very small
- 2 - small
- 3 - medium
- 4 - large
- 5 - very large

05 . 06 . Leaf blade: attitude in relation to shoot (20) *

- 1 - upwards M 27
- 2 - outwards Last Minute/P22, Mark
- 3 - downwards

05 . 07 . Leaf blade: incisions of margin (26) *

- 1 - crenate J 9
- 2 - bicrenate J-TE-G
- 3 - serrate type 1 J-TE-H, M 9
- 4 - serrate type 2 J-TE-A
- 5 - biserrate MM 112, MM 114

05 . 08 . Time of beginning of bud burst (51) *

- 1 - very early
- 2 - very early to early
- 3 - early M 4
- 4 - early to medium
- 5 - medium B 9, Cepiland
- 6 - medium to late
- 7 - late Last Minute/P22, Mark
- 8 - late to very late
- 9 - very late

06 . Similar varieties and differences from these varieties

Please note that information on similar varieties may help to identify comparable varieties and can avoid an additional period of testing.

06 . 01 . Are there any similar varieties known? *

- Yes
- No



06 . 02 . Similar varieties and differences from these varieties: *

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 similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety

07 . Additional information which may help to distinguish the variety ***07 . 01 . Resistance to pests and diseases ***

Yes, specify

No

07 . 02 . In addition to the information provided in sections 05 and 06, are there any additional characteristics which may help to distinguish the variety? *

Yes, specify

No

07 . 03 . Are there any special conditions for growing the variety or conducting the examination? *

Yes, specify

No

07 . 04 . Other information *

Yes, specify

No

07 . 05 . Photo *A representative colour photo of the variety must be **added** to the technical questionnaire.**08 . GMO-information *****08 . 01 . GMO-information required ***

The variety represents a Genetically Modified Organism within the meaning of Article 2(2) of Council Directive EC/2001/18 of 12/03/2001.

Yes

If yes, please attach in point 08.02 a copy of the written attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

No

08 . 02 . In case of GMO, joint attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

09 . Information on plant material to be examined *

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. Consequently the plant material to be examined 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:

09 . 01 . Micro-organisms (e.g. virus, bacteria, phytoplasma) *

Yes, specify

No

09 . 02 . Chemical treatment (e.g. growth retardant or pesticide) *

Yes, specify

No

09 . 03 . Tissue culture *

Yes, specify

No

09 . 04 . Other factors *

Yes, specify

No

10 . Possible place of the technical examination

In case the CPVO needs to arrange a technical examination for this candidate variety, there might be more than one examination office entrusted by the CPVO suitable to grow your variety. In this case, the Office will decide on the place of the technical examination but you might wish to express here a preference in respect of an examination office. The available entrusted examination offices for that species can be found in the S3 Gazette under:<http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/entrusted-examination-offices>

You will also find in the S2 Gazette further information about submission of plant material and deadlines for numerous major species:<http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/submission-of-plant-material-s2-publication>

10 . 01 . Country where the examination could take place

Country

Attached document(s)

The following forms or documents are attached to this application : please tick the relevant boxes

Other confidential documents

Photo

Remark



DECLARATIONS *

I/we hereby declare that to the best of my/our knowledge the information given in this form is complete and correct.

Place

Date

Name

Signature

