

Technical questionnaire

leaf chicory

CPVO/TQ-154/1-Rev

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:

Cichorium intybus L.

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 . Type of material *

(this question could be confidential)

hybrid

cross-pollinated variety

self-pollinated variety

parent line

04 . 02 . Method of propagation of the variety *

(this question could be confidential)

seed propagated

vegetatively propagated

04 . 03 . Other information on genetic origin and breeding method

(this question could be confidential)

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: diameter (2) *

| | |
|-------------------------|--|
| 1 - very small | Triestina da taglio |
| 2 - very small to small | |
| 3 - small | A grumolo verde, Firestorm |
| 4 - small to medium | |
| 5 - medium | Granato, Rossa di Treviso precoce |
| 6 - medium to large | |
| 7 - large | Pan di zucchero |
| 8 - large to very large | |
| 9 - very large | Catalogna puntarelle a foglia frastagliata, Tobago |

05 . 02 . Leaf: length (4) *

| | |
|-------------------------|---------------------------------|
| 1 - very short | |
| 2 - very short to short | |
| 3 - short | A grumolo verde |
| 4 - short to medium | |
| 5 - medium | Rossa di Verona precoce |
| 6 - medium to long | |
| 7 - long | Pan di zucchero |
| 8 - long to very long | |
| 9 - very long | Catalogna a foglie frastagliate |

05 . 03 . Leaf: width (5) *

| | |
|---------------------------|---------------------------------------|
| 1 - very narrow | Catalogna puntarelle a foglia stretta |
| 2 - very narrow to narrow | |
| 3 - narrow | Rossa di Treviso 2 |
| 4 - narrow to medium | |
| 5 - medium | Rossa di Treviso precoce |
| 6 - medium to broad | |
| 7 - broad | Variegata di Castelfranco |
| 8 - broad to very broad | |
| 9 - very broad | Palla rossa 5 |



05 . 04 . Leaf: anthocyanin coloration (7) *

| | |
|-------------|-----------------|
| 1 - absent | Pan di zucchero |
| 9 - present | Palla rossa 2 |

05 . 05 . Leaf: colour (8) *

| | |
|---------------------|--------------------------|
| 1 - yellowish green | Bianca di Milano |
| 2 - light green | A grumolo bionda, Rosa |
| 3 - medium green | A grumolo verde |
| 4 - dark green | A grumolo verde scuro |
| 5 - light red | |
| 6 - medium red | Rossa di Treviso precoce |
| 7 - dark red | Rosa isontina |

05 . 06 . Leaf: anthocyanin distribution (9) *

| | |
|----------------------------------|---|
| 1 - diffused only | Palla rossa 2 |
| 2 - in patches only | Variegata di Castelfranco, Variegata di Lusia |
| 3 - diffused and in patches only | Variegata di Chioggia |

05 . 07 . Leaf: incisions of margin (15) *

| | |
|-----------------------------|---|
| 1 - absent to very shallow | Rossa di Treviso 2 |
| 2 - very shallow to shallow | |
| 3 - shallow | A grumolo bionda |
| 4 - shallow to medium | |
| 5 - medium | 24 ore |
| 6 - medium to deep | |
| 7 - deep | Catalogna gigante di Chioggia, Katrina |
| 8 - deep to very deep | |
| 9 - very deep | Catalogna puntarelle di Gaeta, Catalogna puntarelle di Galatina |

05 . 08 . Plant: head formation (17) *

| | |
|------------|--|
| 1 - absent | Catalogna puntarelle a foglia stretta, Clio |
| 2 - open | A grumolo verde, Corma |
| 3 - closed | Bianca invernale, Palla rossa 2, Pan di zucchero, Rossa di Treviso precoce |



05 . 09 . Only for varieties with head formation: Time of head formation (18)

| | |
|-------------------------|---|
| 1 - very early | Palla rossa 2, Rossa di Verona precoce |
| 2 - very early to early | |
| 3 - early | Palla rossa 3 |
| 4 - early to medium | |
| 5 - medium | Palla rossa 4, Pan di zucchero |
| 6 - medium to late | |
| 7 - late | Palla rossa 5, Rossa di Verona tardiva, TT506 |
| 8 - late to very late | |
| 9 - very late | Palla rossa 6, Tobago, Variegata di Chioggia |

05 . 10 . Head: shape in longitudinal section (22) *

| | |
|--------------|---|
| 1 - ovate | Rossa di Verona precoce |
| 2 - oblate | Palla rossa 5 |
| 3 - circular | Variegata di Chioggia |
| 4 - elliptic | Pan di zucchero, Rossa di Treviso precoce |

05 . 11 . Head: colour of cover leaves (26) *

| | |
|---------------------|---|
| 1 - whitish green | Variegata di Chioggia |
| 2 - yellowish green | Bianca invernale, Variegata di Lusia |
| 3 - light green | A grumolo bionda, Pan di zucchero |
| 4 - medium green | A grumolo verde |
| 5 - dark green | A grumolo verde scuro, Catalogna puntarelle a foglia frastagliata |
| 6 - light red | Rosa |
| 7 - medium red | Rossa di Verona precoce |
| 8 - dark red | Nerone, Rosa isontina |

05 . 12 . Head: distribution of anthocyanin coloration of cover leaves (27) *

| | |
|----------------------------------|---------------------------|
| 1 - entire | Rosa isontina |
| 2 - diffused only | Palla rossa 2 |
| 3 - in patches only | Variegata di Castelfranco |
| 4 - diffused and in patches only | Variegata di Chioggia |
| 5 - densely speckled | Tauro |

05 . 13 . Plant: formation of stem (28) *

| | |
|-------------|--|
| 1 - absent | Palla rossa 2 |
| 9 - present | Catalogna puntarelle a foglia frastagliata |



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 *

07 . 04.01 . Type *

| | |
|--------------------------------|---|
| Chioggia | Rossa di Chioggia 2, Rossa di Chioggia 4, Rossa di Chioggia 6, TT 4050, TT 506, TT 706 |
| Verona | Rossa di Verona precoce, Rossa di Verona tardiva |
| Rossa di Treviso precoce | Rossa di Treviso precoce, Nerone, Trevi, TT 206 |
| Pan di Zucchero/ Pain de Sucre | Pan di Zucchero, Pandea |
| Bianca di Milano | Bianca di Milano |
| Bianca invernale | Bianca invernale |
| Variegata di Castelfranco | Variegata di Castelfranco, Variegata di Maserà |
| Variegata di Luisa | Variegata di Luisa |
| Variegata di Chioggia | Variegata di Chioggia, Variegata di Adria |
| A grumolo verde | A grumolo bionda, A grumolo verde, A grumolo verde scuro |
| Améliorée Blonde ou Verte | Améliorée Blonde, Améliorée Verte |
| Rosa isontina | Rosa isontina |
| Rossa di Treviso 2 | Rossa di Treviso 2, Rossa di Treviso 3 |
| Catalogna | Catalogna del Veneto, Catalogna gigante di Chioggia, Spadona, Clio |
| Catalogna Puntarelle | Catalogna Puntarelle di Galatina, Catalogna puntarelle a foglie frastagliate, Catalogna puntarelle a foglia stretta |
| Barbe de Capucin | Barbe de Capucin |

07 . 04.02 . Other information *

Yes, specify

No

07 . 05 . Photo

It is recommended to provide a representative colour image of full grown plant(s) of the variety to accompany 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

