

Technical questionnaire

globe artichoke, cardoon

CPVO/TQ-184/2-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:

Cynara cardunculus 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 . Leaf: intensity of lobing (3) *

1 - very weak	
2 - very weak to weak	
3 - weak	Blanca de Tudela (A), Violet de Provence (A), Plein blanc amélioré Puvis (C)
4 - weak to medium	
5 - medium	Ateca (C), Loma (A), Plein blanc amélioré (C)
6 - medium to strong	
7 - strong	Opal (A), Vert de Vaulx en Velin (C)
8 - strong to very strong	
9 - very strong	

05 . 02 . Midrib: thickness at 35 cm from base (14) *

1 - very thin	Matterhorn (A), Violet de Camargue (A)
2 - very thin to thin	
3 - thin	Opal (A), Vert de Vaulx en Velin (C)
4 - thin to medium	
5 - medium	Plein blanc amélioré Puvis (C)
6 - medium to thick	
7 - thick	Menuet (A), Plein blanc amélioré (C)
8 - thick to very thick	
9 - very thick	Verde de Peralta (C)

05 . 03 . Midrib: length of spines (16) *

1 - absent or very short	Bianco inerma (C), Madrigal (A)
2 - very short to short	
3 - short	Castel (A), Plein blanc amélioré (C)
4 - short to medium	
5 - medium	Vert de Vaulx en Velin (C), Violet de Provence (C)
6 - medium to long	
7 - long	Epineux argenté de Plainpalais (C), Spinoso Sardo (A)
8 - long to very long	
9 - very long	



05 . 04 . Main stem: diameter (19) *

- 1 - very small
- 2 - very small to small
- 3 - small
- 4 - small to medium
- 5 - medium
- 6 - medium to large
- 7 - large
- 8 - large to very large
- 9 - very large

05 . 05 . Central flower head: length (20) *

- 1 - very short
- 2 - very short to short
- 3 - short Ateca (C)
- 4 - short to medium
- 5 - medium Imperial Star (A)
- 6 - medium to long
- 7 - long Adir (A)
- 8 - long to very long
- 9 - very long

05 . 06 . Central flower head: diameter (21) *

- 1 - very small
- 2 - very small to small
- 3 - small Ateca (C)
- 4 - small to medium
- 5 - medium
- 6 - medium to large
- 7 - large Matterhorn (A)
- 8 - large to very large
- 9 - very large

05 . 07 . Outer bract: thickness at base (39) *

- 1 - thin
- 2 - medium Blanc hyérois, Imperial Star, Popvert
- 3 - thick Pète



05 . 08 . Plant: number of lateral heads on main stem (40) *

1 - very few

2 - very few to few

3 - few

Blanc hyérois

4 - few to medium

5 - medium

Salambo

6 - medium to many

7 - many

Chrysanthème

8 - many to very many

9 - very many

Cynamed

05 . 09 . Artichoke varieties only: Main stem: time of beginning of elongation (17)

1 - very early

2 - very early to early

3 - early

Blanca de Tudela

4 - early to medium

5 - medium

Opal

6 - medium to late

7 - late

Madrigal

8 - late to very late

9 - very late

05 . 10 . Artichoke varieties only: Main stem: height from base to central flower head (18.1)

1 - very short

2 - very short to short

3 - short

Blanca de Tuleda, Opal

4 - short to medium

5 - medium

Madrigal, Matterhorn

6 - medium to tall

7 - tall

Olympus

8 - tall to very tall

9 - very tall



05 . 11 . Artichoke varieties only: Central flower head: shape in longitudinal section (22)

1 - triangular	Violet de Provence
2 - ovate	Madrigal, Opal
3 - oblong	Chrysanthème
4 - circular	
5 - oblate	

05 . 12 . Artichoke varieties only: Outer bract: violet colour on external side (30)

1 - absent or very weak	Harmony
2 - weak	Violet de Provence
3 - medium	Chrysanthème
4 - strong	Concerto, Salambo
5 - very strong	Velours

05 . 13 . Artichoke varieties only: Male sterility (41)

1 - absent	Blanca de Tudela
9 - present	

05 . 14 . Cardoon varieties only: Midrib: colour (9)

1 - whitish	Plein blanc amélioré
2 - light green	Vert de Vaulx en Velin
3 - medium green	
4 - dark green	
5 - light red	
6 - medium red	
7 - dark red	Rouge d'Alger

05 . 15 . Cardoon varieties only: Main stem: height from base to central flower head (18.2)

1 - very short	
2 - very short to short	
3 - short	
4 - short to medium	
5 - medium	Plein blanc amélioré Puvis
6 - medium to tall	
7 - tall	Ateca
8 - tall to very tall	
9 - very tall	



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

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

