

## Technical questionnaire

**garlic**

**CPVO/TQ-162/1**

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

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

*Allium sativum* L.

*Allium tuncelianum* (Kollmann) Özhatay & al.

Other species (please specify)

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**02 . Application code:**

For office use only

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**03 . Breeder's reference:**

Breeder's Ref.

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**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 . Foliage: attitude (2) \***

1 - erect	Jolimont
2 - erect to semi-erect	Printanor
3 - semi-erect	Jardinor

**05 . 02 . Leaf: green colour (3) \***

1 - very light	
2 - very light to light	
3 - light	
4 - light to medium	
5 - medium	Messidrome
6 - medium to dark	
7 - dark	Germidour
8 - dark to very dark	
9 - very dark	

**05 . 03 . Pseudostem: flowering stem (10) (G) \***

1 - absent	Germidour
9 - present	Rose de Lautrec

**05 . 04 . Bulb: size (14) \***

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

**05 . 05 . Bulb: shape in longitudinal section (15) \***

1 - transverse narrow elliptic	Sprint
2 - transverse broad elliptic	Germidour
3 - circular	De Roumanie



**05 . 06 . Bulb: ground colour of dry external scales (21) \***

1 - white	Printanor, Ramses
2 - yellowish white	Vigor Max, Vigor Supreme
3 - reddish white	Germidour

**05 . 07 . Bulb: external cloves (27) \***

1 - absent	Sprint, Sultop
9 - present	Blanc de Beaumont, Morasol

**05 . 08 . Clove: size (28) \***

1 - very small	
2 - very small to small	
3 - small	Rose de Lautrec
4 - small to medium	
5 - medium	Printador
6 - medium to large	
7 - large	Germidour
8 - large to very large	
9 - very large	

**05 . 09 . Clove: colour of scale (29) (G) \***

1 - white	Ramses
2 - cream	Messidrome
3 - pink	Printador
4 - purple	Morasol, Sprint
5 - brown	Corail

**05 . 10 . Clove: colour of flesh (32) \***

1 - white	Printador
2 - yellowish	Germidour



**05 . 11 . Time of harvest maturity (33) (G) \***

1 - very early	Ramses
2 - very early to early	
3 - early	Sprint
4 - early to medium	
5 - medium	Germidour, Messidrome
6 - medium to late	
7 - late	Printador
8 - late to very late	
9 - very late	Gayant

**05 . 12 . End of dormancy of clove in bulb (34) (G) \***

1 - very early	Ramses
2 - very early to early	
3 - early	Sprint
4 - early to medium	
5 - medium	Rose de Lautrec
6 - medium to late	
7 - late	Fructidor
8 - late to very late	
9 - very late	Gayant

**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? \***

**07 . 03.01 . Type \***

long-day type - autumn

short-day type - spring

**07 . 03.02 . 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 highly recommended to provide a representative colour image of full grown plant(s) of the variety to accompany the Technical Questionnaire.

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**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

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## 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

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**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

