

## Technical questionnaire

pea

CPVO/TQ-007/2-Rev.3

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:**

*Pisum sativum* L.

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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 . Plant: anthocyanin coloration (1) \***

1 - absent	Avola, Solara
9 - present	Pidgin, Rosakrone

**05 . 02 . Stem: fasciation (3) \***

1 - absent	Avola, Solara
9 - present	Bikini, Rosakrone

**05 . 03 . Stem: length (4) \***

1 - very short	Zephir
2 - very short to short	
3 - short	Nobel, Mini
4 - short to medium	
5 - medium	Calibra, Xantos
6 - medium to long	
7 - long	Blauwschokker, Livia
8 - long to very long	
9 - very long	Mammoth Melting Sugar

**05 . 04 . Stem: number of nodes up to and including first fertile node (5) \***

1 - very few	Kelvil
2 - very few to few	
3 - few	Smart, Zero4
4 - few to medium	
5 - medium	Markana, Susan
6 - medium to many	
7 - many	Cooper
8 - many to very many	
9 - very many	Regina

**05 . 05 . Leaf: leaflets (8) \***

1 - absent	Hawk, Solara
9 - present	Avola, Rhea

**05 . 06 . Stipule: flecking (19) \***

1 - absent	Lisa, Tafila
9 - present	Avola, Maro



**05 . 07 . Only varieties with stem fasciation absent: Plant: maximum number of flowers per node (24)**

1 - one	Progress N°9, Tyla
3 - two	Banff, Cooper
5 - three	Ultimo, Zodiac
7 - four or more	Amesa, Calibra, Survivor

**05 . 08 . Pod: length (35) \***

1 - very short	Cepia, Vermio
2 - very short to short	
3 - short	Progreta, Solara
4 - short to medium	
5 - medium	Cooper, Jof
6 - medium to long	
7 - long	Hurst Green Shaft, Protor
8 - long to very long	
9 - very long	Tirabeque

**05 . 09 . Pod: parchment (37) \***

1 - absent or partial	Sugar Ann
2 - entire	Avola, Solara

**05 . 10 . Excluding varieties with pod parchment: entire: Pod: thickened wall (38)**

1 - absent	Nofila, Reuzensuiker
9 - present	Cygnat, Sugar Ann

**05 . 11 . Only varieties with pod: thickened wall: absent: Pod: shape of distal part (39)**

1 - pointed	Jof, Oskar
2 - blunt	Avola, Solara

**05 . 12 . Pod: curvature (40) \***

1 - absent or very weak	Finale, Maro
2 - very weak to weak	
3 - weak	Eagle, Span
4 - weak to medium	
5 - medium	Carlton, Hurst Green Shaft
6 - medium to strong	
7 - strong	Delikata, Jof
8 - strong to very strong	
9 - very strong	Oskar



**05 . 13 . Pod: colour (41) \***

1 - yellow	
2 - green	Avola, Solara
3 - blue green	Show Perfection
4 - purple	Blauwschokker

**05 . 14 . Immature seed: intensity of green colour (45) \***

1 - very light	
2 - very light to light	
3 - light	Arabelle, Solara, Ultimo
4 - light to medium	
5 - medium	
6 - medium to dark	
7 - dark	Dark Skin Perfection, Hawaiï
8 - dark to very dark	
9 - very dark	

**05 . 15 . Seed: type of starch grains (47) \***

1 - simple	Adagio, Maro, Solara
2 - compound	Avola, Polar

**05 . 16 . Seed: colour of cotyledon (50) \***

1 - green	Avola, Solara
2 - yellow	Caractacus, Hardy
3 - orange	

**05 . 17 . Only varieties with plant anthocyanin coloration present: Seed: marbling of testa (51)**

1 - absent	Rhea, Rif
9 - present	Assas, Pidgin

**05 . 18 . Only varieties with plant anthocyanin coloration present: Seed: violet or pink spots on testa (52)**

1 - absent	Pidgin, Rif
2 - faint	Assas, Susan
3 - intense	Arvika, Rhea

**05 . 19 . Seed: hilum colour (53) \***

1 - same colour as testa	Avola, Solara
2 - darker than testa	Nofila, Rif



**05 . 20 . Seed: weight (55) \***

1 - very low	Ultimo
2 - very low to low	
3 - low	Hawk, Iceberg
4 - low to medium	
5 - medium	Mammoth Melting Sugar, Phoenix
6 - medium to high	
7 - high	Kennedy, Maro
8 - high to very high	
9 - very high	Bamby, Kabuki

**05 . 21 . Resistance to *Fusarium oxysporum* f. sp. *pisi* - Race 1 (56) \***

1 - absent	Bartavelle
9 - present	

**05 . 22 . Resistance to *Erysiphe pisi* Syd. (57) \***

1 - absent	Cabree
9 - present	

**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 \*****07 . 01.01 . Resistance to *Ascochyta pisi* (leaf and pod spot) Race C (58) \***

absent

present

not tested



**07 . 01.02 . Resistance to other diseases \***

Please specify \*

**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 . Main use \***

fresh market

canning

freezing

dry seed for human consumption

dry protein

forage

other

**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.

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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

**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

