Breeder's Ref.

National Food Chain Safety Office

Agricultural Genetic Resources Directorate

Technical questionnaire

melon

CPVO/TQ-104/2-Rev.2

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:

- ◯ *Cucumis melo* 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

Breeder's Ref.

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)
The examination offices test the resistances based on the resistance test protocols listed in the CPVO-TP in force. In case the applicant does assess the resistance based on a different protocol than the one mentioned in the CPVO-TP, please be aware that this could lead to discrepancies between your declaration and the results obtained by the examination office. This may also have important consequences on the conduct of the DUS testing as well as trigger additional tests and fees. In addition, for some resistances an alternative DNA marker test exists. As the phenotype is always leading, the declaration in this Technical Questionnaire should not be based on such DNA marker test only.

05 . 00 . Type of fruit *

- ◯ 1 - Ananas
- ◯ 2 - Baskavas
- ◯ 3 - Branco
- ◯ 4 - Western Shipper
- ◯ 5 - Yellow Easter Shipper - Italian Cantaloupe
- ◯ 6 - Green Easter Shipper - Italian Cantaloupe
- ◯ 7 - Canari
- ◯ 8 - Yellow Charentais
- ◯ 9 - Green Charentais
- ◯ 10 - Galia
- ◯ 11 - Honeydew
- ◯ 12 - Kirkagac
- ◯ 13 - Ogen
- ◯ 14 - Piel de Sapo
- ◯ 15 - Rochet
- ◯ 16 - Tendral
- ◯ 17 - other type — Please specify

05 . 01 . Inflorescence: sex expression (at full flowering) *(12) (G)* *

- ◯ 1 - monoecious — Alpha, Categoría
- ◯ 2 - andromonoecious — Piel de Sapo

05 . 01.01 . Young fruit: hue of green colour of skin *(13)* *

- ◯ 1 - whitish green — Geasol
- ◯ 2 - yellowish green — Fimel
- ◯ 3 - green — Lucas
- ◯ 4 - greyish green — Spanglia

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05 . 01.02 . Young fruit: intensity of green colour of skin *(14)* *

◯ 1 - very light	Solarking
◯ 2 - very light to light	
◯ 3 - light	Fimel
◯ 4 - light to medium	
◯ 5 - medium	Eros
◯ 6 - medium to dark	
◯ 7 - dark	Galia
◯ 8 - dark to very dark	
◯ 9 - very dark	Edén

05 . 02 . Fruit: length *(24) (G)* *

◯ 1 - very short	Doublon, Golden Crispy
◯ 2 - very short to short	
◯ 3 - short	Topper, Védrantais
◯ 4 - short to medium	
◯ 5 - medium	Marina, Spanglia
◯ 6 - medium to long	
◯ 7 - long	Categoría, Toledo
◯ 8 - long to very long	
◯ 9 - very long	Katsura Giant, Valdivia

05 . 03 . Fruit: shape in longitudinal section *(28) (G)* *

◯ 1 - ovate	De Cavaillon, Piolín
◯ 2 - medium elliptic	Piel de Sapo
◯ 3 - broad elliptic	Corin, Sardo
◯ 4 - circular	Alpha, Galia
◯ 5 - quadrangular	Zatta
◯ 6 - oblate	Jívaro, Noir de Carmes
◯ 7 - obovate	Cganchi
◯ 8 - elongated	Alficoz, Banana

05 . 04 . Fruit: ground colour of skin *(29) (G)* *

◯ 1 - white	Albino, Honey Dew
◯ 2 - yellow	Amarillo-Canario, Edén, Galia, Passport, Solarking
◯ 3 - green	Gohyang, Piel de Sapo
◯ 4 - grey	Geaprince, Geamar, Romeo, Sirio, Supporter, Védrantais

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05 . 04.01 . Fruit: hue of ground colour of skin *(31)* *

◯ 1 - absent or very weak	Amarillo-Canario, Albino, Piel de Sapo, Sirio
◯ 2 - whitish	Romeo
◯ 3 - yellowish	Geaprince, Supporter
◯ 4 - orange	Edén
◯ 5 - ochre	Passport
◯ 6 - greenish	Geamar, Honey Drew, Solarking
◯ 7 - greyish	Gohyang

05 . 04.02 . Fruit: density of dots *(32)* *

◯ 1 - absent or very sparse	Charentais
◯ 2 - very sparse to sparse	
◯ 3 - sparse	
◯ 4 - sparse to medium	
◯ 5 - medium	Petit Gris de Rennes
◯ 6 - medium to dense	
◯ 7 - dense	Piel de Sapo
◯ 8 - dense to very dense	
◯ 9 - very dense	Albino

05 . 05 . Fruit: density of patches *(36) (G)* *

◯ 1 - absent or very sparse	Rochet
◯ 2 - very sparse to sparse	
◯ 3 - sparse	
◯ 4 - sparse to medium	
◯ 5 - medium	Braco
◯ 6 - medium to dense	
◯ 7 - dense	Piel de Sapo
◯ 8 - dense to very dense	
◯ 9 - very dense	Oranje Ananas

05 . 06 . Fruit: grooves *(43) (G)* *

◯ 1 - absent or very weakly expressed	Arava, Piel de Sapo
◯ 2 - weakly expressed	Total, Hobby
◯ 3 - strongly expressed	Védrantais, Galia

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05 . 06.01 . Fruit: depth of grooves *(45)*

◯	1 - very shallow	Amber
◯	2 - very shallow to shallow	
◯	3 - shallow	Galia
◯	4 - shallow to medium	
◯	5 - medium	Alpha
◯	6 - medium to deep	
◯	7 - deep	Panamá, Supermarket
◯	8 - deep to very deep	
◯	9 - very deep	Noir des Carmes, Sucrin de Tours

05 . 06.02 . Fruit: creasing of surface *(47)* *

◯	1 - absent or very weak	Védrantais
◯	2 - very weak to weak	
◯	3 - weak	Melchor, Sirocco
◯	4 - weak to medium	
◯	5 - medium	Costa, Piolín
◯	6 - medium to strong	
◯	7 - strong	Tendral, Negro
◯	8 - strong to very strong	
◯	9 - very strong	Balbay, Kirkagac

05 . 07 . Fruit: cork formation *(48) (G)* *

◯	1 - absent	Alpha
◯	9 - present	Dalton

05 . 07.01 . Fruit: thickness of pattern of cork formation *(49)*

◯	1 - very thin	Amarillo Oro
◯	2 - very thin to thin	
◯	3 - thin	Riosol, Védrantais
◯	4 - thin to medium	
◯	5 - medium	Marina
◯	6 - medium to thick	
◯	7 - thick	Geamar, PMR 45
◯	8 - thick to very thick	
◯	9 - very thick	Honey Rock, Perlita

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05 . 08 . Fruit: pattern of cork formation *(50) (G)* *

☐ 1 - dots only	Hermes, Védrantrais
☐ 2 - dots and linear	Jívaro, Topper
☐ 3 - linear only	Futuro, Riosol
☐ 4 - linear and netted	Anatol, Chantal
☐ 5 - netted only	Galia, Perlita

05 . 08.01 . Fruit: density of pattern of cork formation *(51)*

◯ 1 - very sparse	Alpha, Amarillo Oro
◯ 2 - very sparse to sparse	
◯ 3 - sparse	Védrantais
◯ 4 - sparse to medium	
◯ 5 - medium	Regal, Vital
◯ 6 - medium to dense	
◯ 7 - dense	Galia, Geamar
◯ 8 - dense to very dense	
◯ 9 - very dense	Honey Rock, Perlita

05 . 09 . Fruit: main colour of flesh *(54) (G)* *

◯ 1 - white	Piel de Sapo
◯ 2 - greenish white	Galia
◯ 3 - green	Radical
◯ 4 - yellowish white	Guaraní
◯ 5 - orange	Védrantais
◯ 6 - reddish orange	Magenta

05 . 10 . Seed: length *(59) (G)* *

◯ 1 - very short	Geumssaraki, Golden Crispi
◯ 2 - very short to short	
◯ 3 - short	Elario, Katsura Giant
◯ 4 - short to medium	
◯ 5 - medium	Arava, Sancho
◯ 6 - medium to long	
◯ 7 - long	Amarillo Oro, Toledo
◯ 8 - long to very long	
◯ 9 - very long	Albino

05 . 10.01 . Seed: shape (only for Piel de Sapo type) *(61)* *

◯ 1 - not pine nut shape	Toledo
◯ 2 - pine nut shape	Piel de Sapo

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05 . 11 . Seed: colour *(62) (G)* *

◯ 1 - whitish	Amarillo Oro s.b.
◯ 2 - cream yellow	Galia, Piel de Sapo

05 . 11.01 . Shelf life of fruit *(67)* *

◯ 1 - very short	Charentais
◯ 2 - very short to short	
◯ 3 - short	Galia
◯ 4 - short to medium	
◯ 5 - medium	Clipper
◯ 6 - medium to long	
◯ 7 - long	Piel de Sapo
◯ 8 - long to very long	
◯ 9 - very long	Tendral, Negro

05 . 12 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 0 *(68.1) (G)* *

◯ 1 - absent	Charentais T
◯ 9 - present	Charentais Fom-2, Védrantais

05 . 13 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 1 *(68.2) (G)* *

◯ 1 - absent	Charentais T, Védrantais
◯ 9 - present	Charentais Fom-2

05 . 14 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 2 *(68.3) (G)* *

◯ 1 - absent	Marianna
◯ 9 - present	Charentais Fom-1

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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

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07 . Additional information which may help to distinguish the variety *

07 . 01 . In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? *

- ◯ Yes, specify
- ◯ No

07 . 02 . Are there any special conditions for growing the variety or conducting the examination? *

07 . 02.01 . Type of culture *

- ☐ in the greenhouse
- ☐ in the open field
- ☐ other type

Please specify

07 . 02.02 . Are there any special conditions for growing the variety or conducting the examination? *

- ◯ Yes, specify
- ◯ No

07 . 03 . Other information *

07 . 03.01 . Resistance to pests and diseases *

The examination offices test the resistances based on the resistance test protocols listed in the CPVO-TP in force. In case the applicant does assess the resistance based on a different protocol than the one mentioned in the CPVO-TP, please be aware that this could lead to discrepancies between your declaration and the results obtained by the examination office. This may also have important consequences on the conduct of the DUS testing as well as trigger additional tests and fees. In addition, for some resistances an alternative DNA marker test exists. As the phenotype is always leading, the declaration in this Technical Questionnaire should not be based on such DNA marker test only.

07 . 03.01.01 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 1-2 *(68.4)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.02 . Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 1 *(69.1)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

07 . 03.01.03 . Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 2 *(69.2)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

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07 . 03.01.04 . Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3 *(69.3)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

07 . 03.01.05 . Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 5 *(69.4)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

07 . 03.01.06 . Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3-5 *(69.5)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

07 . 03.01.07 . Resistance to *Golovinomyces cichoracearum* (Gc) (*Erysiphe cichoracearum)* Race 1 (Powdery mildrew) *(70)* *

- ◯ susceptible
- ◯ intermediate resistant
- ◯ highly resistant
- ◯ not tested

07 . 03.01.08 . Resistance to colonisation by *Aphis gossypii* *(71)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.09 . Resistance to *Zucchini yellow mosaic virus* (ZYMV) *(72)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.10 . Resistance to *Papaya ringspot virus* (PRSV) - Guadeloupe strain *(73.1)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.11 . Resistance to *Papaya ringspot virus* (PRSV) - Race E2 *(73.2)* *

- ◯ absent
- ◯ present
- ◯ not tested

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07 . 03.01.12 . Resistance to *Melon necrotic spot virus* (MNSV) - Strain 0 (MNSV:0) *(74)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.13 . Resistance to *Cucumber mosaic virus* (CMV) *(75)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.02 . Other information *

- ◯ Yes, specify
- ◯ No

07 . 04 . Photo

It is highly recommended to provide pictures. Otherwise, the organisation of the technical examination will be rendered less efficient, with the risk of an additional year of technical examination at the costs of the applicant.

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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.

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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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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

Print Reset