



## Technical questionnaire

melon

Version 16

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 \***

hybrid

cross-pollinated variety

self-pollinated variety

parental line

**04 . 01.01 . Parental line use**

*(this question could be confidential)*

In many cases there is a link in morphological expression of characteristics between the parental line and its hybrids. Therefore, it is recommended to provide information about the identity of hybrid varieties where the parental line is used. This makes the organisation of the technical examination more efficient and lowers the risk of an additional year at the costs of the applicant. This information will only be shared with the examination office in charge of the technical examination.

In accordance with Article 88(3) of Regulation 2100/1994 the Office will treat the information under this section as confidential on request of the applicant.

Please indicate for the production of which hybrid variety(ies) the parental line is used

**04 . 02 . Method of propagation of the variety \***

seed propagated

vegetatively propagated

Please specify

**04 . 03. . Should the following question on genetic origin and breeding method be treated as confidential? \***

Yes

No

**04 . 04 . Confidentiality justification \***

*(this question could be confidential)*

Please explain why the information is to be considered as confidential and how its disclosure would harm your commercial interests (included but not limited to business relations, manufacturing secrets, expertise, commercial strategies, intellectual property) under Article 4(2) of Regulation 1049/2001. Since the general rule is transparency, it is in your best interest to provide strong reasons to support your request for confidentiality. If a public access request is received, the Office will evaluate your justifications and decide whether to disclose or not the information.

Please provide detailed explanations \*

**04 . 05 . Information on the breeding method and the genetic origin of the application**

*(this question could be confidential)*

breeding method

parentage with any other varieties

**05 . Characteristics**

(the number in brackets refers to the corresponding characteristic in the UPOV Technical Guidelines, please mark the state of expression which best corresponds).

**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 . 02 . Young fruit: hue of green colour of skin (13) \***

1 - whitish green

Geasol

2 - yellowish green

Fimel

3 - green

Lucas

4 - greyish green

Spanglia

**05 . 03 . 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 . 04 . Fruit: length (24) (G) \***

|                         |                         |
|-------------------------|-------------------------|
| 1 - very short          | Doublon, Golden Crispy  |
| 2 - very short to short |                         |
| 3 - short               | Topper, Védreantais     |
| 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 . 05 . Fruit: diameter (25) \***

|                           |                       |
|---------------------------|-----------------------|
| 1 - very narrow           | Banana, Golden Crispy |
| 2 - very narrow to narrow |                       |
| 3 - narrow                | Alpha, Maestro        |
| 4 - narrow to medium      |                       |
| 5 - medium                | Categoría, Galia      |
| 6 - medium to broad       |                       |
| 7 - broad                 | Albino, Kinka         |
| 8 - broad to very broad   |                       |
| 9 - very broad            | Noir des Carmes       |

**05 . 06 . Fruit: shape in longitudinal section (28) (G) \***

|                     |                                            |
|---------------------|--------------------------------------------|
| 1 - ovate           | De Cavaillon espagnol à chair rose, 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 . 07 . 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, Védrentais |

**05 . 08 . 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 . 09 . 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 . 10 . 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 . 11 . Fruit: warts (38) \***

|             |              |
|-------------|--------------|
| 1 - absent  | Piel de Sapo |
| 9 - present | Zatta        |

**05 . 12 . Fruit: grooves (43) (G) \***

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

**05 . 13 . 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 . 14 . 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 . 15 . Fruit: cork formation (48) (G) \***

|             |        |
|-------------|--------|
| 1 - absent  | Alpha  |
| 9 - present | Dalton |

**05 . 16 . Fruit: thickness of cork layer (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         |

**05 . 17 . Fruit: pattern of cork formation (50) (G) \***

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

**05 . 18 . 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          |

**05 . 19 . 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 . 20 . Seed: length (60) (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 . 21 . Seed: shape (only for Piel de Sapo type) (62) \***

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

**05 . 22 . Seed: colour (63) (G) \***

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



**05 . 23 . Shelf life of fruit (68) \***

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 . 24 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 0 (Fom: 0) (69.1) (G) \***

1 - absent Atos, Charentais T

9 - present Cadence, Charentais Fom-2, Dibango, Jubilo, Karakal, Védtrantais

**05 . 25 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) - Race 1 (Fom: 1) (69.2) (G) \***

1 - absent Atos, Charentais T, Védtrantais

9 - present Cadence, Charentais Fom-2, Dibango, Jubilo, Karakal

**05 . 26 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) - Race 2 (Fom: 2) (69.3) (G) \***

1 - absent Atos, Charentais Fom-2, Charentais T, Dibango, Marianna

9 - present Cadence, Charentais Fom-1, Jubilo, Karakal, Perlita, Védtrantais

**05 . 27 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) - Race 1.2 (Fom: 1.2) (69.4) \***

1 - absent Graffio, Prity, Virgos

9 - present Isabelle, Kyriel, Lunasol, Meliance, Piboule

not tested

**05 . 28 . Resistance to *Podosphaera xanthii* (Px) (ex-*Sphaerotheca fuliginea*) (Powdery mildew) - Race 1 (Px: 1) (70.1) \***

1 - absent or low Védtrantais

2 - medium Escrito

3 - high Arum

not tested

**05 . 29 . Resistance to *Podosphaera xanthii* (Px) (ex-*Sphaerotheca fuliginea*) (Powdery mildew) - Race 2 (Px: 2) (70.2) \***

1 - absent or low Védtrantais

2 - medium Escrito, Pendagron

3 - high Arum

not tested

**05 . 30 . Resistance to *Podosphaera xanthii* (Px) (ex-*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3 (Px: 3) (70.3) \***

|                   |                |
|-------------------|----------------|
| 1 - absent or low | Védrantais     |
| 2 - medium        | Arago, Durango |
| 3 - high          | Arum           |
| not tested        |                |

**05 . 31 . Resistance to *Podosphaera xanthii* (Px) (ex-*Sphaerotheca fuliginea*) (Powdery mildew) - Race 5 (Px: 5) (70.4) \***

|                   |                |
|-------------------|----------------|
| 1 - absent or low | Védrantais     |
| 2 - medium        | Arago, Durango |
| 3 - high          | Arum           |
| not tested        |                |

**05 . 32 . Resistance to *Podosphaera xanthii* (Px) (ex-*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3.5 (Px: 3.5) (70.5) \***

|                   |                |
|-------------------|----------------|
| 1 - absent or low | Védrantais     |
| 2 - medium        | Arago, Durango |
| 3 - high          | Arum           |
| not tested        |                |

**05 . 33 . Resistance to *Golovinomyces cichoracearum* (Gc) (*Erysiphe cichoracearum*) Race 1 (Powdery mildew) (71) \***

|                   |                            |
|-------------------|----------------------------|
| 1 - absent or low | Escrito, Score, Védrantais |
| 2 - medium        | Anasta, Flores             |
| 3 - high          | Cézanne, Héliobel, Théo    |
| not tested        |                            |

**05 . 34 . Resistance to colonisation by *Aphis gossypii* (Ag) (72) \***

|             |                                                             |
|-------------|-------------------------------------------------------------|
| 1 - absent  | Védrantais                                                  |
| 9 - present | AR Hale's Best Jumbo, AR Top Mark, Godiva, Heliobel, Virgos |
| not tested  |                                                             |

**05 . 35 . Resistance to *Zucchini yellow mosaic virus* (ZYMV) F Strain (73) \***

|             |                                      |
|-------------|--------------------------------------|
| 1 - absent  | Cardillo, Générís, Jador, Védrantais |
| 9 - present | Hannah's Choice, Lunaduke            |
| not tested  |                                      |

**05 . 36 . Resistance to *Papaya ringspot virus* (PRSV) - Guadeloupe strain (74.1) \***

|             |                 |
|-------------|-----------------|
| 1 - absent  | Védrantais      |
| 9 - present | Hannah's Choice |
| not tested  |                 |

**05 . 37 . Resistance to *Papaya ringspot virus* (PRSV) - E2 Strain (74.2) \***

|             |                             |
|-------------|-----------------------------|
| 1 - absent  | Hannah's Choice, Védrantais |
| 9 - present | WMRV29                      |
| not tested  |                             |

**05 . 38 . Resistance to *Melon necrotic spot virus* (MNSV) - Strain 0 (MNSV:0) (75) \***

|             |                                  |
|-------------|----------------------------------|
| 1 - absent  | Védraçais                        |
| 9 - present | Cyro, Primal, Virgos, Yellow Fun |
| not tested  |                                  |

**05 . 39 . Resistance to *Cucumber mosaic virus* (CMV) (76) \***

|             |                  |
|-------------|------------------|
| 1 - absent  | Cézanne, Dalton  |
| 9 - present | Lunaduke, Virgos |
| not tested  |                  |

**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 . 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 . 03 . Are there any special conditions for growing the variety or conducting the examination? \***

Yes, specify

No

**07 . 02.01 . Type of culture \***

in the greenhouse

in the open field

other type

Please specify

**07 . 03 . Other information \***

Yes, specify

No

**07 . 04 . Photo**

It is highly recommended to provide pictures (up to five). 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. Full guidance on the picture quality can be found here

**07 . 04.01 . Details of the photo(s)**

Place and conditions under which the material shown in the photo was grown (e.g. plants grown in the greenhouse vs. grown in the open field)

Date of the photo(s) (month and year)

**07 . 04.02 . Attached photo(s)**

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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 . Other factors \***

Yes, specify

No

**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