



Technical questionnaire

melon

Version 15

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:

☐ *Cucumis melo* 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 *

- ☐ 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) *

- | | |
|---|-----------|
| <input type="radio"/> 1 - very light | Solarking |
| <input type="radio"/> 2 - very light to light | |
| <input type="radio"/> 3 - light | Fimel |
| <input type="radio"/> 4 - light to medium | |
| <input type="radio"/> 5 - medium | Eros |
| <input type="radio"/> 6 - medium to dark | |
| <input type="radio"/> 7 - dark | Galia |
| <input type="radio"/> 8 - dark to very dark | |
| <input type="radio"/> 9 - very dark | Edén |

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

- | | |
|---|-------------------------|
| <input type="radio"/> 1 - very short | Doublon, Golden Crispy |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Topper, Védreantais |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Marina, Spanglia |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Categoría, Toledo |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Katsura Giant, Valdivia |

05 . 05 . Fruit: diameter (25) *

- | | |
|---|-----------------------|
| <input type="radio"/> 1 - very narrow | Banana, Golden Crispy |
| <input type="radio"/> 2 - very narrow to narrow | |
| <input type="radio"/> 3 - narrow | Alpha, Maestro |
| <input type="radio"/> 4 - narrow to medium | |
| <input type="radio"/> 5 - medium | Categoría, Galia |
| <input type="radio"/> 6 - medium to broad | |
| <input type="radio"/> 7 - broad | Albino, Kinka |
| <input type="radio"/> 8 - broad to very broad | |
| <input type="radio"/> 9 - very broad | Noir des Carmes |

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

- | | |
|---|--|
| <input type="radio"/> 1 - ovate | De Cavaillon espagnol à chair rose, Piolín |
| <input type="radio"/> 2 - medium elliptic | Piel de Sapo |
| <input type="radio"/> 3 - broad elliptic | Corin, Sardo |
| <input type="radio"/> 4 - circular | Alpha, Galia |
| <input type="radio"/> 5 - quadrangular | Zatta |
| <input type="radio"/> 6 - oblate | Jívaro, Noir de Carnes |
| <input type="radio"/> 7 - obovate | Cganchi |
| <input type="radio"/> 8 - elongated | Alficoz, Banana |

05 . 07 . Fruit: ground colour of skin (29) (G) *

- | | |
|----------------------------------|---|
| <input type="radio"/> 1 - white | Albino, Honey Dew |
| <input type="radio"/> 2 - yellow | Amarillo-Canario, Edén, Galia, Passport, Solarking |
| <input type="radio"/> 3 - green | Gohyang, Piel de Sapo |
| <input type="radio"/> 4 - grey | Geaprinse, Geamar, Romeo, Sirio, Supporter, Védreantais |

05 . 08 . Fruit: hue of ground colour of skin (31) *

- | | |
|---|---|
| <input type="radio"/> 1 - absent or very weak | Amarillo-Canario, Albino, Piel de Sapo, Sirio |
| <input type="radio"/> 2 - whitish | Romeo |
| <input type="radio"/> 3 - yellowish | Geaprinse, Supporter |
| <input type="radio"/> 4 - orange | Edén |
| <input type="radio"/> 5 - ochre | Passport |
| <input type="radio"/> 6 - greenish | Geamar, Honey Dew, Solarking |
| <input type="radio"/> 7 - greyish | Gohyang |

05 . 09 . Fruit: density of dots (32) *

- | | |
|---|----------------------|
| <input type="radio"/> 1 - absent or very sparse | Charentais |
| <input type="radio"/> 2 - very sparse to sparse | |
| <input type="radio"/> 3 - sparse | |
| <input type="radio"/> 4 - sparse to medium | |
| <input type="radio"/> 5 - medium | Petit Gris de Rennes |
| <input type="radio"/> 6 - medium to dense | |
| <input type="radio"/> 7 - dense | Piel de Sapo |
| <input type="radio"/> 8 - dense to very dense | |
| <input type="radio"/> 9 - very dense | Albino |

05 . 10 . Fruit: density of patches (36) (G) *

- | | |
|---|---------------|
| <input type="radio"/> 1 - absent or very sparse | Rochet |
| <input type="radio"/> 2 - very sparse to sparse | |
| <input type="radio"/> 3 - sparse | |
| <input type="radio"/> 4 - sparse to medium | |
| <input type="radio"/> 5 - medium | Braco |
| <input type="radio"/> 6 - medium to dense | |
| <input type="radio"/> 7 - dense | Piel de Sapo |
| <input type="radio"/> 8 - dense to very dense | |
| <input type="radio"/> 9 - very dense | Oranje Ananas |

05 . 11 . Fruit: warts (38) *

- | | |
|-----------------------------------|--------------|
| <input type="radio"/> 1 - absent | Piel de Sapo |
| <input type="radio"/> 9 - present | Zatta |

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

- | | |
|---|---------------------|
| <input type="radio"/> 1 - absent or very weakly expressed | Arava, Piel de Sapo |
| <input type="radio"/> 2 - weakly expressed | Hobby, Total |
| <input type="radio"/> 3 - strongly expressed | Galia, Védraçais |

05 . 13 . Fruit: depth of grooves (45)

- | | |
|---|----------------------------------|
| <input type="radio"/> 1 - very shallow | Amber |
| <input type="radio"/> 2 - very shallow to shallow | |
| <input type="radio"/> 3 - shallow | Galia |
| <input type="radio"/> 4 - shallow to medium | |
| <input type="radio"/> 5 - medium | Alpha |
| <input type="radio"/> 6 - medium to deep | |
| <input type="radio"/> 7 - deep | Panamá, Supermarket |
| <input type="radio"/> 8 - deep to very deep | |
| <input type="radio"/> 9 - very deep | Noir des Carmes, Sucrin de Tours |

05 . 14 . Fruit: creasing of surface (47) *

- | | |
|---|------------------|
| <input type="radio"/> 1 - absent or very weak | Védrantais |
| <input type="radio"/> 2 - very weak to weak | |
| <input type="radio"/> 3 - weak | Melchor, Sirocco |
| <input type="radio"/> 4 - weak to medium | |
| <input type="radio"/> 5 - medium | Costa, Piolín |
| <input type="radio"/> 6 - medium to strong | |
| <input type="radio"/> 7 - strong | Tendral, Negro |
| <input type="radio"/> 8 - strong to very strong | |
| <input type="radio"/> 9 - very strong | Balbay, Kirkagac |

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

- | | |
|-----------------------------------|--------|
| <input type="radio"/> 1 - absent | Alpha |
| <input type="radio"/> 9 - present | Dalton |

05 . 16 . Fruit: thickness of cork layer (49) *

- | | |
|---|--------------------|
| <input type="radio"/> 1 - very thin | Amarillo Oro |
| <input type="radio"/> 2 - very thin to thin | |
| <input type="radio"/> 3 - thin | Riosol, Védrantais |
| <input type="radio"/> 4 - thin to medium | |
| <input type="radio"/> 5 - medium | Marina |
| <input type="radio"/> 6 - medium to thick | |
| <input type="radio"/> 7 - thick | Geamar, PMR 45 |
| <input type="radio"/> 8 - thick to very thick | |
| <input type="radio"/> 9 - very thick | Honey Rock |

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

- | | |
|--|--------------------|
| <input type="checkbox"/> 1 - dots only | Hermes, Védrantais |
| <input type="checkbox"/> 2 - dots and linear | Jívaro, Topper |
| <input type="checkbox"/> 3 - linear only | Futuro, Riosol |
| <input type="checkbox"/> 4 - linear and netted | Anatol, Chantal |
| <input type="checkbox"/> 5 - netted only | Galia |

05 . 18 . Fruit: density of pattern of cork formation (51)

- | | |
|---|---------------------|
| <input type="radio"/> 1 - very sparse | Alpha, Amarillo Oro |
| <input type="radio"/> 2 - very sparse to sparse | |
| <input type="radio"/> 3 - sparse | Védrantais |
| <input type="radio"/> 4 - sparse to medium | |
| <input type="radio"/> 5 - medium | Regal, Vital |
| <input type="radio"/> 6 - medium to dense | |
| <input type="radio"/> 7 - dense | Galia, Geamar |
| <input type="radio"/> 8 - dense to very dense | |
| <input type="radio"/> 9 - very dense | Honey Rock |

05 . 19 . Fruit: main colour of flesh (54) (G) *

- | | |
|---|--------------|
| <input type="radio"/> 1 - white | Piel de Sapo |
| <input type="radio"/> 2 - greenish white | Galia |
| <input type="radio"/> 3 - green | Radical |
| <input type="radio"/> 4 - yellowish white | Guaraní |
| <input type="radio"/> 5 - orange | Védrantais |
| <input type="radio"/> 6 - reddish orange | Magenta |

05 . 20 . Seed: length (60) (G) *

- | | |
|---|----------------------------|
| <input type="radio"/> 1 - very short | Geumssaraki, Golden Crispi |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Elario, Katsura Giant |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Arava, Sancho |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Amarillo Oro, Toledo |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Albino |

05 . 21 . Seed: shape (only for Piel de Sapo type) (62) *

- | | |
|--|--------------|
| <input type="radio"/> 1 - not pine nut shape | Toledo |
| <input type="radio"/> 2 - pine nut shape | Piel de Sapo |

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

- | | |
|--|---------------------|
| <input type="radio"/> 1 - whitish | Amarillo Oro s.b. |
| <input type="radio"/> 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, Védraçais
05 . 25 . Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) - Race 1 (Fom: 1) (69.2) (G) *
☐ 1 - absent Atos, Charentais T, Védraçais

☐ 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, Védraçais
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 Védraçais

☐ 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 Védraçais

☐ 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 Védrañtais
- ☐ 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 Védrañtais
- ☐ 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 Védrañtais
- ☐ 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, Védrañtais
- ☐ 2 - medium Anasta, Flores
- ☐ 3 - high Cézanne, Héliobél, Théo
- ☐ not tested

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

- ☐ 1 - absent Védrañtais
- ☐ 9 - present AR Hale's Best Jumbo, AR Top Mark, Godiva, Héliobél, Virgos
- ☐ not tested

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

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

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

- ☐ 1 - absent Védrañtais
- ☐ 9 - present Hannah's Choice
- ☐ not tested

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

- ☐ 1 - absent Hannah's Choice, Védrañtais
- ☐ 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. 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.

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
- ☐ No

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.

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 . Other factors *

- ☐ Yes, specify
- ☐ No

Breeder's Ref.

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

