

Technical questionnaire

watermelon

Version 12

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:

☐ *Citrullus lanatus* (Thunb.) Matsum. & Nakai

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 . 01 . Plant: ploidy (1) (G) *

- | | |
|--------------------------------------|----------------------------|
| ☐ 2 - diploid | SP 4, Sugar Baby, Yamato 3 |
| ☐ 3 - triploid | Boston, TRIX 313 |
| ☐ 4 - tetraploid | |

05 . 02 . Leaf blade: degree of lobing (8) *

- | | |
|---|-----------------------|
| ☐ 1 - absent or very weak | Sunshade |
| ☐ 2 - very weak to weak | |
| ☐ 3 - weak | Estrella, Karistan |
| ☐ 4 - weak to medium | |
| ☐ 5 - medium | Crimson Sweet, Crisby |
| ☐ 6 - medium to strong | |
| ☐ 7 - strong | Cadanz |
| ☐ 8 - strong to very strong | |
| ☐ 9 - very strong | SP 1 |



Breeder's Ref.

05 . 03 . Fruit: weight (11) (G) *

☐ 1 - very low	Monaco, New Hampshire MidgetPlease indicate weight in kg
☐ 2 - very low to low	Mini, Petite PerfectionPlease indicate weight in kg
☐ 3 - low	AngelaPlease indicate weight in kg
☐ 4 - low to medium	Pasion, Sugar BabyPlease indicate weight in kg
☐ 5 - medium	BostonPlease indicate weight in kg
☐ 6 - medium to high	Crimson Sweet, PanonniaPlease indicate weight in kg
☐ 7 - high	FabiolaPlease indicate weight in kg
☐ 8 - high to very high	JubileePlease indicate weight in kg
☐ 9 - very high	Carolina Cross, Cobb's Gem, Florida GiantPlease indicate weight in kg

05 . 04 . Fruit: shape in longitudinal section (12) (G) *

- | | |
|---|--|
| ☐ 1 - circular | Camilla, Kanro
Please indicate the ratio length/width of fruit |
| | <input type="text"/> |
| ☐ 2 - broad elliptic | Fumin, Gray Belle, Yellow Baby, Zorba
Please indicate the ratio length/width of fruit |
| | <input type="text"/> |
| ☐ 3 - medium elliptic | Congo, Kurobe, Picnic
Please indicate the ratio length/width of fruit |
| | <input type="text"/> |
| ☐ 4 - narrow elliptic | All Sweet, Charleston Gray
Please indicate the ratio length/width of fruit |
| | <input type="text"/> |

05 . 05 . Fruit: ground colour of skin (16) (G) *

- | | |
|---|-------------------------------|
| ☐ 1 - yellow | Taiyô |
| ☐ 2 - very light green | Ipanema |
| ☐ 3 - very light green to light green | Napsugár |
| ☐ 4 - light green | Tigre |
| ☐ 5 - light green to medium green | Pepsin |
| ☐ 6 - medium green | Ovation, Talete |
| ☐ 7 - medium green to dark green | Odem, Resistant, Sweet Marvel |
| ☐ 8 - dark green | Sugar Baby |
| ☐ 9 - dark green to very dark green | Augusta, Rocio |
| ☐ 10 - very dark green | |

05 . 06 . Fruit: pattern of stripes (18) *

- | | |
|---|--------------|
| ☐ 1 - only one coloured | Congo |
| ☐ 2 - one coloured and veins | Trix Palomar |
| ☐ 3 - one coloured, veins and marbled | Boston |
| ☐ 4 - one coloured and marbled | Jenny |
| ☐ 5 - two coloured, veins and marbled | Crisby |
| ☐ 6 - only veins | |
| ☐ not applicable | |

05 . 07 . Fruit: width of stripes (19) (G) *

- | | |
|---|-------------------|
| ☐ 1 - very narrow | SP 4, Tiny Orchid |
| ☐ 2 - very narrow to narrow | |
| ☐ 3 - narrow | Boston |
| ☐ 4 - narrow to medium | |
| ☐ 5 - medium | Crimson Sweet |
| ☐ 6 - medium to broad | |
| ☐ 7 - broad | Sangria |
| ☐ 8 - broad to very broad | |
| ☐ 9 - very broad | All Sweet |
| ☐ not applicable | |

05 . 08 . Fruit: main colour of stripes (20) *

- | |
|--|
| ☐ 1 - yellow |
| ☐ 2 - very light green |
| ☐ 3 - light green |
| ☐ 4 - medium green |
| ☐ 5 - dark green |
| ☐ 6 - very dark green |
| ☐ not applicable |

05 . 09 . Fruit: conspicuousness of stripes (21) *

- | | |
|--|--|
| ☐ 1 - inconspicuous or very weakly conspicuous | Augusta |
| ☐ 2 - weak | Odem |
| ☐ 3 - medium | Trix Palomar |
| ☐ 4 - strong | Jenny |
| ☐ 5 - very strong | À graine rouge à confire à chair verte |

05 . 10 . Fruit: margin of stripes (22) (G) *

- | | |
|--------------------------------------|-----------------------|
| ☐ 1 - diffuse | Crimson Glory, Crisby |
| ☐ 2 - medium | Crimson Sweet |
| ☐ 3 - sharp | Jenny, Jubilee |
| ☐ not applicable | |

05 . 11 . Fruit: main colour of flesh (28) (G) *

- | | |
|---------------------------------------|---|
| ☐ 1 - white | SP 4, SP 1, Yamato Cream 3 |
| ☐ 2 - yellow | Napsugár, Yamato Cream 1 |
| ☐ 3 - orange | Kahô, Tendersweet |
| ☐ 4 - pink | Sadul |
| ☐ 5 - pinkish red | Bingo, Crimson Sweet |
| ☐ 6 - red | Asahi Miyako Hybrid, Sugar Baby, Topgun |
| ☐ 7 - dark red | Dixie Lee |

05 . 12 . Only triploid varieties: Seed coat: size (29) *

- | | |
|----------------------------------|-----------------------------|
| ☐ 2 - small | Petite Perfection |
| ☐ 3 - medium | Boston, Sweet Sun, Valdoria |
| ☐ 4 - large | Ortal, Pasion, Tigre |

05 . 13 . Only diploid and tetraploid varieties: Seed: length (31) (G) *

- | | |
|---|-------------------------|
| ☐ 1 - very short | Kudam |
| ☐ 2 - very short to short | |
| ☐ 3 - short | Pannonia, Tabata |
| ☐ 4 - short to medium | |
| ☐ 5 - medium | Sugar Baby |
| ☐ 6 - medium to long | |
| ☐ 7 - long | Charleston Gray, Kurobe |
| ☐ 8 - long to very long | |
| ☐ 9 - very long | Malali, Wanli |

05 . 14 . Only diploid and tetraploid varieties: Seed: ground colour of testa (33) (G) *

- | | |
|-------------------------------------|--|
| ☐ 1 - white | Sanpaku |
| ☐ 2 - cream | Kurobe |
| ☐ 3 - green | À confire allongée à graine verte, Green Citron |
| ☐ 4 - red | À graine rouge à confire à chair verte, Red Citron |
| ☐ 5 - red brown | Kahô |
| ☐ 6 - brown | Otome, Sugar Baby |
| ☐ 7 - black | Yamato Cream |

05 . 15 . Resistance to *Fusarium oxysporum* f.sp. *niveum* - Race 0 (37.1) *

- | | |
|-----------------------------------|-------------------------------|
| ☐ 1 - absent | Kahô, Sugar Baby |
| ☐ 9 - present | Calhoun Gray, Charleston Gray |
| ☐ not tested | |

05 . 16 . Resistance to *Fusarium oxysporum* f.sp. *niveum* - Race 1 (37.2) *

- ☐ 1 - absent Charleston Gray, Kahô, Sugar Baby
- ☐ 9 - present Calhoun Gray
- ☐ not tested

05 . 17 . Resistance to *Fusarium oxysporum* f.sp. *niveum* - Race 2 (37.3) *

- ☐ 1 - absent Calhoun Gray, Kahô
- ☐ 9 - present PI 296341-FR
- ☐ not tested

05 . 18 . Resistance to *Colletotrichum orbiculare* - Race 1 (38.1) *

- ☐ 1 - absent Black Diamond, Calhoun Gray, Kahô
- ☐ 9 - present Charleston Gray, Congo, Jubilee
- ☐ 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? *
☐ Yes, specify

☐ No
07 . 03 . Other information ***07 . 03.01 . Resistance to pests and diseases ***
☐ Yes, specify

☐ No
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.

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

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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

