



National Food Chain Safety Office

Agricultural Genetic Resources Directorate

Technical questionnaire

watermelon

CPVO/TQ-142/2-Rev

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 *

(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: ploidy (1) (G) *

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

05 . 01.01 . 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

05 . 02 . Fruit: weight (11) (G) *

1 - very low	Please indicate weight in kg
2 - very low to low	Please indicate weight in kg
3 - low	Please indicate weight in kg
4 - low to medium	Please indicate weight in kg
5 - medium	Please indicate weight in kg
6 - medium to high	Please indicate weight in kg
7 - high	Please indicate weight in kg
8 - high to very high	Please indicate weight in kg
9 - very high	Please indicate weight in kg

05 . 03 . Fruit: shape in longitudinal section (12) (G) *

1 - circular	Please indicate the ratio length/width of fruit
2 - broad elliptic	Please indicate the ratio length/width of fruit
3 - medium elliptic	Please indicate the ratio length/width of fruit
4 - narrow elliptic	Please indicate the ratio length/width of fruit

05 . 04 . 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 . 04.01 . 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	

05 . 05 . 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

05 . 05.01 . 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

05 . 05.02 . 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 . 06 . Fruit: margin of stripes (22) (G) *

1 - diffuse	Crimson Glory, Crisby
2 - medium	Crimson Sweet
3 - sharp	Jenny, Jubilee

05 . 07 . 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 . 07.01 . Only triploid varieties: Seed coat: size (29) *

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

05 . 08 . 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 . 09 . 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

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 *

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. *niveum* - Race 0 *

absent

present

not tested

07 . 03.01.02 . Resistance to *Fusarium oxysporum* f.sp. *niveum* - Race 1 *

absent

present

not tested

07 . 03.01.03 . Resistance to *Fusarium oxysporum* f.sp. *niveum* - Race 2 *

absent

present

not tested

07 . 03.01.04 . Resistance to *Colletotrichum orbiculare* Race 1 *

absent

present

not tested

07 . 03.01.05 . Other resistances 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

09 . 03 . Tissue culture *

Yes, specify

No

09 . 04 . 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