

Technical questionnaire

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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:

Solanum lycopersicum L.

Solanum lycopersicum L. × Solanum pimpinellifolium L.

Other species (please specify)

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

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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:	growth	type	(2)	(G) *	:
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1 - determinate	Campbell 1327, Prisca
2 - indeterminate	Marmande VR, Saint-Pierre, San Marzano 2

05 . 01.01 . Only varieties with plant growth type indeterminate: Plant: height (6) st

1 - very short	Cherry Belle
I - VELV SHULL	CHELLY DELIC

2 - very short to short

3 - short Carson, Despina

4 - short to medium

5 - medium Brooklyn, Buffalo, Vision

6 - medium to long

7 - long Classy, Clarence, Climberly, Massada

8 - long to very long

9 - very long Day Dream, Minired

05 . 02 . Leaf: type of blade (10) (G) *

1 - pinnate2 - bipinnateLukullus, Saint-Pierre

05 . 02.01 . Leaf: intensity of green colour (12) *

1 - very light

2 - very light to light

3 - light Macero II, Poncette, Rossol

4 - light to medium

5 - medium Lucy

6 - medium to dark

7 - dark Allround, Daniela, Lorena, Red Robin

8 - dark to very dark

9 - very dark

05 . 03 . Peduncle: abscission layer (19) (G) *

1 - absent9 - presentMontfavet H 63.5, Roma

05 . 04 . Fruit: green shoulder (before maturity) (21) (G) *

1 - absent Felicia, Rio Grande, Trust
9 - present Daniela, Montfavet H 63.5

05 . 04.01 . Fruit: green stripes (before maturity) (25) (G) *

1 - absent	Daniela
9 - present	Green Zebra, Tigerella

05 . 05 . Fruit: size (26) (G) *

1 - very small	Please indicate size in grams
2 - very small to small	Please indicate size in grams
3 - small	Please indicate size in grams
4 - small to medium	Please indicate size in grams
5 - medium	Please indicate size in grams
6 - medium to large	Please indicate size in grams
7 - large	Please indicate size in grams
8 - large to very large	Please indicate size in grams
9 - very large	Please indicate size in grams

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

	1 - flattened	Campbell 28, Marmande VR
	2 - oblate	Montfavet H 63.4, Montfavet H 63.5
	3 - circular	Cerise, Moneymaker
	4 - oblong	Early Mech, Peto Gro
	5 - cylindrical	Hypeel 244, Macero II, San Marzano 2
	6 - elliptic	Alcaria, Castone
	7 - cordate	Valenciano
	8 - ovate	Dualrow, Soto
	9 - obovate	Duquesta, Estelle Rimone, Rio Grande
	10 - pyriform	Europeel
	11 - obcordate	Cuore del Ponente, Magno
05	5 . 06.01 . Fruit: ribbing at peduncle end (29) *	
	1 - absent or very weak	Calimero, Cerise
	2 - very weak to weak	

	,
2 - very weak to weak	
3 - weak	Early Mech, Hypeel 244, Melody, Peto Gro, Rio Grande
4 - weak to medium	
5 - medium	Montfavet H 63.4, Montfavet H 63.5

6 - medium to strong

7 - strong Campbell 1327, Carmello, Count

8 - strong to very strong

9 - very strong Costoluto Fiorentino, Ingrid, Marmande VR

05 . 07 . Fruit: number of locules (36) (G) *

1 - only two	Early Mech, Europeel, San Marzano
2 - two or three	Alphamech, Futuria
3 - three or four	Montfavet H 63.5
4 - four, five or six	Raïssa, Tradiro
5 - more than six	Marmande VR

05.07.01 . Do fruits of the variety reach maturity? *

Yes

No

05 . 07.02 . LSL genes *

1 - absent

9 - present

05 . 07.03 . If LSL Genes present

- 1 NOR gene homozygous
- 2 NOR gene heterozygous
- 3 RIN gene homozygous
- 4 RIN gene heterozygous
- 5 other gene Please specify

05 . 07.04 . Fruit: gel in locules *

- 1 absent
- 9 present

05 . 08 . Fruit: colour at maturity (37) *

1 - cream	Jazon, White Mirabell
2 - yellow	Goldene Königin, Yellow Pear
3 - orange	Sungold
4 - pink	Aichi First
5 - red	Dianela, Ferline, Montfavet H 63.5
6 - brown	Ozyrys
7 - green	Green Grape, Green Zebra

05 . 08.01 . Fruit: firmness (40) *

2 - very soft to soft

3 - soft Trend

4 - soft to medium

5 - medium Cristina

6 - medium to firm

7 - firm Fernova, Konsul, Tradiro

8 - firm to very firm

9 - very firm Dianela, Karat, Lolek

05 . 08.02 . Time of maturity (42) *

1 - very early

	1 - very early	Doicevita, Sungolu, Sweet Baby			
	2 - very early to early				
	3 - early	Bianca, Rossol, Shiren			
	4 - early to medium				
	5 - medium	Gourmet, UC 82B			
	6 - medium to late				
	7 - late	Arletta, Durinta			
	8 - late to very late				
	9 - very late	Dianela			
05 . 09	9. Resistance to <i>Meloidogyne incognita</i> (Mi) (43)) (G) *			
	1 - susceptible	Casaque Rouge			
	2 - moderately resistant	Campeon, Tyonic			
	3 - highly resistant	Anahu x Casaque Rouge			
05 . 10) . Resistance to <i>Verticillium</i> sp. (Va and Vd) - Race 0 (44) (G) *				
	1 - absent	Anabel, Marmande verte			
	9 - present	Daniela, Marmande VR			
05 . 1	. Resistance to Fusarium oxysporum f. sp. lycopersici (FoI) - Race 0EU/1US (45.1) (G) *				
	1 - absent	Marmande, Marmande verte, Resal			
	9 - present	Gourmet, Larissa, Marporum, "Marporum $\mathbf x$ Marmande verte", Mohawk, Motelle, Riesling			

Dolcevita Sungold Sweet Baby

05 . 12 . Resistance to Fusarium oxysporum f. sp. lycopersici (FoI) - Race 1EU/2US (45.2) (G) *

1 - absent
 Cherry Belle, Marmande verte, Marporum, Ranco, Roma
 9 - present
 Agostino, "Motelle x Marmande verte", Odisea, Tradiro

05 . 13 . Resistance to Tomato mosaic virus (ToMV) - Strain 0 (48.1) (G) *

1 - absent9 - presentMonalbo, MoneymakerMobaci, Mocimor, Momor, Moperou

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 . 02.01 . Type of culture *

in the greenhouse

in the open field

07 . 02.02 . Details of type of culture *

staked

semi-staked

non-staked

07 . 02.03 . Main use *

fresh market or garden

industrial processing (indicate type)

pot plant

rootstock

 ${\bf 07.02.03.01}$. Details of fresh market/industry

single

truss

other Please specify

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o7 . 02.03.02 . Details of industry

peel

paste
other

Please specify

07 . 02.04 . Are there any special conditions for growing the variety or conducting the examination? *

Yes

No

07 . 03 . Other information

07 . 03.01 . Resistances to pests and diseases (please specify races/strains if possible) *
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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.

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07.03.01.01. Resistance to Fusarium oxysporum f. sp. lycopersici (Fol) - Race 2EU/3US (45.3) *
absent
present
not tested
07 . 03.01.02 . Indeterminate types: Resistance to Fusarium oxysporum f. sp. radicis-lycopersici (Forl) (46) *
absent
present
07 . 03.01.03 . Resistance to Passalora fulva Race 0 (47.1) *
absent
present
not tested
07 . 03.01.04 . Determinate types: Resistance to Passolora fulva Group A (47.2) *
absent
present
not tested
07 . 03.01.04 . Indeterminate types: Resistance to Passolora fulva Group A (47.2) *
absent
present
07 . 03.01.05 . Determinate types: Resistance to Passolora fulva Group B (47.3) *
absent
present
not tested
07 . 03.01.05 . Indeterminate types: Resistance to Passolora fulva Group B (47.3) *
absent
present
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07 . 03.01.06 . Determinate types: Resistance to Passolora fulva Group C (47.4) *
absent
present
not tested
07 . 03.01.06 . Indeterminate types: Resistance to Passolora fulva Group C (47.4) *
absent
present
07 . 03.01.07 . Determinate types: Resistance to Passolora fulva Group D (47.5) *
absent
present
not tested
07 . 03.01.07 . Indeterminate types: Resistance to Passolora fulva Group D (47.5) *
absent
present
07 . 03.01.08 . Determinate types: Resistance to Passolora fulva Group E (47.6) *
absent
present
not tested
07 . 03.01.08 . Indeterminate types: Resistance to Passolora fulva Group E (47.6) *
absent
present
07 . 03.01.09 . Resistance to Tomato mosaic virus (ToMV) strain 1 (48.2) *
absent
present
not tested
07 . 03.01.10 . Resistance to Tomato mosaic virus (ToMV) strain 2 (48.3) *
absent
present
not tested
07 . 03.01.11 . Resistance to Phytophtora infestans (Pi) (49) *
absent
present
not tested
07 . 03.01.12 . Resistance to Pyrenochaeta lycopersici (PI) (50) *
absent
present
not tested
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07 . 03.01.13 . Resistance to Stemphylium spp. (Ss) (51) *
   absent
   present
   not tested
   07 . 03.01.14 . Determinate types: Resistance to Pseudomonas syringae pv. tomato (Pst) (52) *
   absent
   present
   07 . 03.01.14 . Indeterminate types: Resistance to Pseudomonas syringae pv. tomato (Pst) (52) *
   absent
   present
   not tested
   07 . 03.01.15 . Resistance to Ralstonia salonacearum race 1 (Rs) (53) *
   absent
   present
   not tested
   07 . 03.01.16 . Resistance to Tomato yellow leaf curl virus (TYLCV) (54) *
   absent
   present
   not tested
   07 . 03.01.17 . Resistance to Tomato spotted wilt virus (TSWV) - Strain 0 (55) (G) *
   absent
   present
   07 . 03.01.18 . Resistance to Leveillula taurica (Lt) (56) *
   absent
   present
   not tested
   07 . 03.01.19 . Resistance to Oidium neolycopersici (On) (ex Oidium lycopersicum (OI)) (57) *
   absent
   present
   not tested
   07 . 03.01.20 . Resistance to Tomato torrado virus (ToTV) (58) *
   absent
   present
   not tested
   07 . 03.01.21 . Other resistances
Please specify
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07 . 03.02 . Other information *

Yes, specify

No

07 . 04 . Photo

It is highly recommended to provide pictures (especially fruits at maturity). 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.



DECL	AR.	ATI	ON.	IS	*
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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