

Technical questionnaire

cucumber, gherkin

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 sativus 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 . 01 . Cotyledon: bitterness (1) (G) *

1 - absent

Rocket GS, Sandra

9 - present

Farbio

05 . 02 . Leaf blade: length (5)

1 - very short

2 - very short to short

3 - short

Adam

4 - short to medium

5 - medium

Briljant

6 - medium to long

7 - long

Corona

8 - long to very long

9 - very long

05 . 03 . Leaf blade: intensity of green colour (8)

1 - very light	
2 - very light to light	
3 - light	De Russie
4 - light to medium	
5 - medium	Rocket GS, Stereo
6 - medium to dark	
7 - dark	Marketmore, Sandra, Tokyo Slicer
8 - dark to very dark	
9 - very dark	Akito

05 . 04 . Plant: sex expression (13) (G) *

1 - monoecious	Hokus
2 - subgynoecious	Toska 70
3 - gynoecious	Farbio, Sandra, Wilma
4 - hermaphroditic	Sunsweet

05 . 05 . Plant: number of female flowers per node (14) *

1 - predominantly one	Dasher, Faraón
2 - predominantly one or two	Brunex, Marumba
3 - predominantly two	Corona
4 - predominantly two or three	Tempo
5 - predominantly three or four	Tornac
6 - predominantly four or five	Melody
7 - predominantly more than five	Olympos

05 . 06 . Ovary: colour of vestiture (15) (G) *

1 - white	Jazzer
2 - black	Vert petit de Paris

05 . 07 . Parthenocarpy (16) (G) *

1 - absent	Toska 70
9 - present	Farbio, Rocket GS, Sandra, Wilma

05 . 08 . Fruit: length (17) (G) *

1 - very short	De Russie, Sunsweet Please indicate length in cm and/or comparable example varieties:
2 - very short to short	Please indicate length in cm and/or comparable example varieties
3 - short	Please indicate length in cm and/or comparable example varieties
4 - short to medium	Please indicate length in cm and/or comparable example varieties
5 - medium	Gemini, Jazzer Please indicate length in cm and/or comparable example varieties:
6 - medium to long	Please indicate length in cm and/or comparable example varieties
7 - long	Corona Please indicate length in cm and/or comparable example varieties:
8 - long to very long	Please indicate length in cm and/or comparable example varieties
9 - very long	Please indicate length in cm and/or comparable example varieties

05 . 09 . Fruit: shape of stem end (22) *

1 - necked	Sandra, Tasty Green
2 - acute	De Massy
3 - obtuse	Maram, Score

05 . 10 . Varieties with necked or acute stem end only: Fruit: length of neck (23) *

1 - very short

2 - very short to short

3 - short Saskia

4 - short to medium

5 - medium Corona, Telepathy

6 - medium to long

7 - long Kamaron

8 - long to very long

9 - very long Tasty Green

05 . 11 . Fruit: ground colour of skin at market stage (25) (G) *

1 - white Bonneuil

2 - yellow Gele Tros

3 - green Corona

05 . 12 . Excluding white varieties: Fruit: intensity of ground colour of skin (26) *

1 - very light

2 - very light to light

3 - light

4 - light to medium

5 - medium

6 - medium to dark

7 - dark

8 - dark to very dark

9 - very dark

05 . 13 . Fruit: ribs (27) *

1 - absent or weak Darius, Diana

2 - medium Sprint

3 - strong Vert petit de Paris

05 . 14 . Fruit: creasing (29) *

1 - absent Jazzer

9 - present Corona, Nabil

05 . 15 . Fruit: degree of creasing (30) *

1 - very weak	Silor
2 - very weak to weak	
3 - weak	Nabil
4 - weak to medium	
5 - medium	Corona, Galileo
6 - medium to strong	
7 - strong	Grizzly
8 - strong to very strong	
9 - very strong	Suyo Long

05 . 16 . Fruit: type of vestiture (31) *

1 - hairs only	Silor
2 - hairs and prickles	De Bourbonne, De Massy
3 - prickles only	Corona, Jazzer

05 . 17 . Fruit: density of vestiture (32) *

1 - very sparse	Vert petit de Paris
2 - very sparse to sparse	
3 - sparse	
4 - sparse to medium	
5 - medium	Tasty Green
6 - medium to dense	
7 - dense	Silor, Suyo Long
8 - dense to very dense	
9 - very dense	Moneta, Parmel

05 . 18 . Fruit: length of stripes (36) *

1 - absent or very short	
2 - very short to short	
3 - short	Astrea
4 - short to medium	
5 - medium	Breso
6 - medium to long	
7 - long	Pioneer, Tokyo Slicer
8 - long to very long	
9 - very long	Suyo Long

05 . 19 . Fruit : dots (37) *

1 - absent	Sensation
9 - present	Delicatesse, Hanpaku-Fushinari, Sagami-Fanpaku, White Sun

05 . 20 . Resistance to *Cladosporium cucumerinum* (Ccu) (44) (G) *

1 - absent	Cherubino, Frontera, Pepinex 69
9 - present	Corona, Marketmore 76, Sheila

05 . 21 . Resistance to *Cucumber mosaic virus* (CMV) (45) (G) *

1 - susceptible	Bosporus, Corona, Ventura
2 - moderately resistant	Capra, Gardon, Verdon
3 - highly resistant	Naf, Picolino

05 . 22 . Resistance to Powdery mildew (*Podosphaera xanthii*) (Px) (46) (G) *

1 - susceptible	Corona, Ventura
2 - moderately resistant	Flamingo
3 - highly resistant	Aramon, Bella, Cordoba

05 . 23 . Resistance to Downy mildew (*Pseudoperonospora cubensis*) (Pcu) (47) *

absent	Pepinex 69, Wisconsin
present	Poinsett 76
not tested	

05 . 24 . Resistance to *Corynespora* blight and target leaf spot (*Corynespora cassicola*) (Cca) (48) (G) *

1 - absent	Bodega, Pepinova
9 - present	Corona, Cumlaude

05 . 25 . Resistance to *Cucumber vein yellowing virus* (CVYV) (49) (G) *

1 - absent	Corona, Korinda, Ventura
9 - present	Dina, Summerstar, Tornac

05 . 26 . Resistance to *Zucchini yellow mosaic virus* (ZYMV) (50) *

absent	Corona, Hilton, Ventura
present	Dina, Summerstar, Thunder
not tested	

05 . 27 . Resistance to *Cucurbit yellow stunting disorder virus* (CYSDV) (51) *

1 - absent	Burgos, Castro, Corona
9 - present	Atalaya, Fortyca
not tested	

05 . 28 . Resistance to *Cucumber green mottle mosaic virus* (CGMMV) (52) *

1 - absent	Topspin
9 - present	Bonaire, Bluesbrother
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 . 02.01 . Growing region**

Please specify

07 . 02.02 . Are there any special conditions for growing the variety or conducting the examination? *

Yes, specify

No

07 . 03 . Other information**07 . 03.01 . Main use ***

processing

fresh market

other

07 . 03.02 . Type of culture *

greenhouse, staked

greenhouse, not staked

in the open, staked

in the open, not staked

other

07 . 03.03 . Fruit type *

1 - gherkin	Adam, Conny, Levina, Melody
2 - cucumber: Beth Alpha	Hana, Silor
3 - cucumber: Dutch type	Brunex, Corona, Dominant
4 - cucumber: American slicer	Jazzer, Marketmore, Sprint
5 - cucumber: Asian	Sagami-Fankapu, White Sun
6 - cucumber: other	Fatum, Tine

07 . 03.04 . Growing season

spring
summer
autumn
winter

07 . 03.05 . 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 . 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