

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)

- | | |
|---|----------------------------------|
| <input type="radio"/> 1 - very light | |
| <input type="radio"/> 2 - very light to light | |
| <input type="radio"/> 3 - light | De Russie |
| <input type="radio"/> 4 - light to medium | |
| <input type="radio"/> 5 - medium | Rocket GS, Stereo |
| <input type="radio"/> 6 - medium to dark | |
| <input type="radio"/> 7 - dark | Marketmore, Sandra, Tokyo Slicer |
| <input type="radio"/> 8 - dark to very dark | |
| <input type="radio"/> 9 - very dark | Akito |

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

- | | |
|--|-----------------------|
| <input type="radio"/> 1 - monoecious | Hokus |
| <input type="radio"/> 2 - subgynoecious | Toska 70 |
| <input type="radio"/> 3 - gynoecious | Farbio, Sandra, Wilma |
| <input type="radio"/> 4 - hermaphroditic | Sunsweet |

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

- | | |
|--|-----------------|
| <input type="radio"/> 1 - predominantly one | Dasher, Faraón |
| <input type="radio"/> 2 - predominantly one or two | Brunex, Marumba |
| <input type="radio"/> 3 - predominantly two | Corona |
| <input type="radio"/> 4 - predominantly two or three | Tempo |
| <input type="radio"/> 5 - predominantly three or four | Tornac |
| <input type="radio"/> 6 - predominantly four or five | Melody |
| <input type="radio"/> 7 - predominantly more than five | Olympos |

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

- | | |
|---------------------------------|---------------------|
| <input type="radio"/> 1 - white | Jazzier |
| <input type="radio"/> 2 - black | Vert petit de Paris |

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

- | | |
|-----------------------------------|----------------------------------|
| <input type="radio"/> 1 - absent | Toska 70 |
| <input type="radio"/> 9 - present | Farbio, Rocket GS, Sandra, Wilma |

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

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

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

<input type="radio"/> 1 - necked	Sandra, Tasty Green
<input type="radio"/> 2 - acute	De Massy
<input type="radio"/> 3 - obtuse	Maram, Score

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

- | | |
|---|-------------------|
| <input type="radio"/> 1 - very short | |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Saskia |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Corona, Telepathy |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Kamaron |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Tasty Green |

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

- | | |
|----------------------------------|-----------|
| <input type="radio"/> 1 - white | Bonneuil |
| <input type="radio"/> 2 - yellow | Gele Tros |
| <input type="radio"/> 3 - green | Corona |

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

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

05 . 13 . Fruit: ribs (27) *

- | | |
|--|---------------------|
| <input type="radio"/> 1 - absent or weak | Darius, Diana |
| <input type="radio"/> 2 - medium | Sprint |
| <input type="radio"/> 3 - strong | Vert petit de Paris |

05 . 14 . Fruit: creasing (29) *

- | | |
|-----------------------------------|---------------|
| <input type="radio"/> 1 - absent | Jazzier |
| <input type="radio"/> 9 - present | Corona, Nabil |

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

- | | |
|---|-----------------|
| <input type="radio"/> 1 - very weak | Silor |
| <input type="radio"/> 2 - very weak to weak | |
| <input type="radio"/> 3 - weak | Nabil |
| <input type="radio"/> 4 - weak to medium | |
| <input type="radio"/> 5 - medium | Corona, Galileo |
| <input type="radio"/> 6 - medium to strong | |
| <input type="radio"/> 7 - strong | Grizzly |
| <input type="radio"/> 8 - strong to very strong | |
| <input type="radio"/> 9 - very strong | Suyo Long |

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

- | | |
|--|------------------------|
| <input type="radio"/> 1 - hairs only | Silor |
| <input type="radio"/> 2 - hairs and prickles | De Bourbonne, De Massy |
| <input type="radio"/> 3 - prickles only | Corona, Jazzer |

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

- | | |
|---|---------------------|
| <input type="radio"/> 1 - very sparse | Vert petit de Paris |
| <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 | Tasty Green |
| <input type="radio"/> 6 - medium to dense | |
| <input type="radio"/> 7 - dense | Silor, Suyo Long |
| <input type="radio"/> 8 - dense to very dense | |
| <input type="radio"/> 9 - very dense | Moneta, Parmel |

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

- | | |
|--|-----------------------|
| <input type="radio"/> 1 - absent or very short | |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Astrea |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Breso |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Pioneer, Tokyo Slicer |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Suyo Long |

05 . 19 . Fruit : dots (37) *

- | | |
|-----------------------------------|---|
| <input type="radio"/> 1 - absent | Sensation |
| <input type="radio"/> 9 - present | Delicatesse, Hanpaku-Fushinari, Sagami-Fanpaku, White Sun |

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

- | | |
|-----------------------------------|---------------------------------|
| <input type="radio"/> 1 - absent | Cherubino, Frontera, Pepinex 69 |
| <input type="radio"/> 9 - present | Corona, Marketmore 76, Sheila |

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

- | | |
|--|---------------------------|
| <input type="radio"/> 1 - susceptible | Bosporus, Corona, Ventura |
| <input type="radio"/> 2 - moderately resistant | Capra, Gardon, Verdon |
| <input type="radio"/> 3 - highly resistant | Naf, Picolino |

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

- | | |
|--|------------------------|
| <input type="radio"/> 1 - susceptible | Corona, Ventura |
| <input type="radio"/> 2 - moderately resistant | Flamingo |
| <input type="radio"/> 3 - highly resistant | Aramon, Bella, Cordoba |

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

- | | |
|----------------------------------|-----------------------|
| <input type="radio"/> absent | Pepinex 69, Wisconsin |
| <input type="radio"/> present | Poinsett 76 |
| <input type="radio"/> not tested | |

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

- | | |
|-----------------------------------|------------------|
| <input type="radio"/> 1 - absent | Bodega, Pepinova |
| <input type="radio"/> 9 - present | Corona, Cumlaude |

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

- | | |
|-----------------------------------|--------------------------|
| <input type="radio"/> 1 - absent | Corona, Korinda, Ventura |
| <input type="radio"/> 9 - present | Dina, Summerstar, Tornac |

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

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> absent | Corona, Hilton, Ventura |
| <input type="radio"/> present | Dina, Summerstar, Thunder |
| <input type="radio"/> not tested | |

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

- | | |
|-----------------------------------|------------------------|
| <input type="radio"/> 1 - absent | Burgos, Castro, Corona |
| <input type="radio"/> 9 - present | Atalaya, Fortyca |
| <input type="radio"/> not tested | |

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

- | | |
|-----------------------------------|-----------------------|
| <input type="radio"/> 1 - absent | Topspin |
| <input type="radio"/> 9 - present | Bonaire, Bluesbrother |
| <input type="radio"/> 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
- ☐ 2 - cucumber: Beth Alpha
- ☐ 3 - cucumber: Dutch type
- ☐ 4 - cucumber: American slicer
- ☐ 5 - cucumber: Asian
- ☐ 6 - cucumber: other

Adam, Conny, Levina, Melody

Hana, Silor

Brunex, Corona, Dominant

Jazzer, Marketmore, Sprint

Sagami-Fankapu, White Sun

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
- ☐ 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

