



## APPLICATIONS UNDER EXAMINATION

## TOMATO

### TOMATO (*Solanum lycopersicum*)

**Proposed denomination:** 'Farbini'  
**Application number:** 17-9277  
**Application date:** 2017/08/17  
**Applicant:** Rijk Zwaan Zaadteelt en Zaadhandel B.V., De Lier, Netherlands  
**Agent in Canada:** Rijk Zwaan Export B.V., Leamington, Ontario  
**Breeder:** Rijk Zwaan Zaadteelt en Zaadhandel B.V., De Lier, Netherlands

#### Description:

**SEEDLING:** anthocyanin colouration of hypocotyl present

**PLANT:** indeterminate growth habit, tall, flowers early to mid-season, early fruit maturity

**STEM:** weak intensity of anthocyanin colouration, medium to long internode

**LEAF:** horizontal to semi-drooping attitude, long, medium to broad, bipinnate division of blade

**LEAF BLADE (UPPER SIDE):** medium green, medium to strong glossiness, weak blistering

**LEAFLET:** medium sized, horizontal attitude of petiolule in relation to main axis of leaf

**INFLORESCENCE:** mainly uniparous type

**PEDUNCLE:** abscission layer present, medium to long

**FLOWER:** yellow, pubescence of style present

**IMMATURE FRUIT:** medium extent of green shoulder, medium to dark green shoulder, very light to light green skin excluding shoulder, no green stripes

**MATURE FRUIT:** small, very large length to diameter ratio, cylindric shape in longitudinal section, very weak to weak ribbing at peduncle end, absent to very weak depression at peduncle end, very small peduncle scar, very small blossom scar, indented to flat at blossom end, small diameter of core (in cross-section) in relation to total diameter when viewed from above, very thin to thin pericarp, two and three locules, orange skin, medium glossiness of skin, orange flesh, firm to very firm

**DISEASE REACTIONS:** highly resistant to *Meloidogyne incognita*; resistance to *Fusarium oxysporum* f. sp. *lycopersici* race 0 (ex1), *Fusarium oxysporum* f. sp. *radicis lycopersici* and Tomato Mosaic Virus strains 0, 1 and 2 present; no resistance to *Verticillium* sp. (Va and Vd) *fysio* race 0, *Fusarium oxysporum* f. sp. *lycopersici* race 1 (ex 2) and race 2 (ex 3), *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) race 0 and groups A, B, C, D and E, Tomato Yellow Leaf Curl Virus, Tomato Spotted Wilt Virus race 0 and *Oidium neolycopersici* (On) (ex *Oidium lycopersicum* (OI))

**Origin and Breeding:** 'Farbini' (experimental designation 72-188 RZ) originated from a cross conducted in August 2013 in De Lier, Netherlands. From the resulting progeny, the hybrid tomato variety 'Farbini' was selected in June 2014 for its fruit shape, cluster shape, orange skin and fruit taste.

**Tests and Trials:** The detailed description of 'Farbini' is based on the UPOV report of Technical Examination, application number TMT3077, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands from 2017 to 2018.



Tomato: 'Farbini'



Tomato: 'Farbini'

---

**Proposed denomination:** 'Marinice'  
**Application number:** 20-10262  
**Application date:** 2020/06/10  
**Applicant:** Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America  
**Agent in Canada:** Bayer Crop Science Inc., Ottawa, Ontario  
**Breeder:** Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America

**Variety used for comparison:** 'Merlice'

**Summary:** *The plants of 'Marinice' are taller than those of 'Merlice'. The upper side of the leaf of 'Marinice' has weak blistering while the leaf of 'Merlice' has a weak to medium degree of blistering. The leaflet of 'Marinice' is medium to large while the leaflet of 'Merlice' is medium sized. In relation to the main axis of the leaf, the petiolule of the leaflet of 'Marinice' has an erect to semi-erect attitude while that of 'Merlice' has a semi-erect attitude. The fruit skin of 'Marinice' is darker red than that of 'Merlice'.*

**Description:**

SEEDLING: anthocyanin colouration of hypocotyl present

PLANT: indeterminate growth habit, medium to tall, flowers mid-season, late to very late fruit maturity

STEM: very weak to weak intensity of anthocyanin colouration, medium length internode

LEAF: horizontal to semi-drooping attitude, medium length, medium width, bipinnate division of blade

LEAF BLADE (UPPER SIDE): medium to dark green, weak glossiness, weak blistering

LEAFLET: medium to large, erect to semi-erect attitude of petiolule in relation to main axis of leaf

INFLORESCENCE: equally uniparous and multiparous type

PEDUNCLE: abscission layer absent

FLOWER: yellow, pubescence of style present

IMMATURE FRUIT: no green shoulder, light to medium green skin excluding shoulder, no green stripes

MATURE FRUIT: large, small to medium length to diameter ratio, oblate shape in longitudinal section, weak ribbing at peduncle end, medium depression at peduncle end, small to medium sized peduncle scar, small to medium sized blossom scar, flat at blossom end, medium sized diameter of core (in cross-section) in relation to total diameter when viewed from above, thick pericarp, three and four locules, red skin, medium glossiness of skin, red flesh, firm

DISEASE REACTIONS: no resistance to Tomato Spotted Wilt Virus race 0; moderately resistant to *Meloidogyne incognita*; resistance to *Verticillium* sp. (Va and Vd) *fysio* race 0, *Fusarium oxysporum* f. sp. *lycopersici* race 0 (ex1) and race 1 (ex 2), *Fusarium oxysporum* f. sp. *radicis lycopersici*, *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) race 0 and groups A, B, C, D and E, Tomato Mosaic Virus strains 0, 1 and 2, *Oidium neolyopersici* (On) (ex *Oidium lycopersicum* (OI)) and Tomato Torrado Virus present

**Origin and Breeding:** 'Marinice' (experimental designation DRTH1011) originated from a hand pollinated cross conducted in 2015 at the Seminis breeding station located in Bergschenhoek, Netherlands. The cross was made between proprietary Seminis breeding lines 'FIR-XM17-4466', as the female parent, and 'FIR-XM15-4367', as the male parent. From the resulting progeny, the hybrid tomato variety 'Marinice' was selected in 2017 for its fruit yield, quality, uniformity, skin colour and flavour.

**Tests and Trials:** The detailed description of 'Marinice' is based on the UPOV report of Technical Examination, application number TMT3404, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands in 2019.



Tomato: 'Marinice'



Tomato: 'Marinice'



Tomato: Reference variety 'Merlice'

---